

# LYCOMING COLLEGE

CATALOGUE 1963-1964



WILLIAMSPORT, PENNSYLVANIA

*Lycoming is a Christian coeducational  
liberal arts and sciences college.  
It is open to students of all  
backgrounds and opinions.  
It explores all available avenues to truth  
and stands firm in the liberal arts tradition  
of training the whole person.*

# LYCOMING COLLEGE

## *Bulletin*

WILLIAMSPORT, PENNSYLVANIA

Approved to Grant Baccalaureate Degrees by the  
Pennsylvania State Department of Public Instruction

*Accredited by*

The Middle States Association of Colleges  
and Secondary Schools  
The University Senate of The Methodist Church

*Member of*

Pennsylvania Association of Colleges and Universities  
National Association of Schools and Colleges  
of The Methodist Church  
Association of American Colleges  
The National Commission on Accrediting

Catalogue Issue 1963-1964

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LYCOMING COLLEGE BULLETIN

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authorized at Williamsport, Pennsylvania

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# COMMUNICATIONS WITH THE COLLEGE

This Bulletin contains pertinent information relative to the College, its philosophy, programs, policies, regulations and offerings. All students and prospective students are urged to read it carefully and completely.

Inquiries of a specific nature should be addressed as follows:

## PRESIDENT:

Gifts or bequests.

## DEAN OF THE COLLEGE:

Information about faculty and faculty activities.

Academic work of students in College.

## TREASURER:

Payment of College bills.

Inquiries concerning expenses.

Scholarships and loan funds for students in College.

## ASSISTANT TO THE PRESIDENT:

Alumni information.

Public relations.

## DEAN OF STUDENTS:

Questions or problems concerning students' health.

Residence and campus regulations.

## REGISTRAR:

Requests for transcripts.

Notices of withdrawal.

## DIRECTOR OF ADMISSIONS:

Admission to the freshman class.

Admission with advanced standing.

Financial assistance for entering students.

Re-entry of students to Lycoming College.

Requests for catalogues.

## DIRECTOR OF PLACEMENT:

Opportunities for self-help.

Employment while in College.

Employment upon graduation.

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*Address:* LYCOMING COLLEGE, Williamsport, Pennsylvania

*Telephone Information:* Local Calls 323-9411

DDD 1 plus 323-9411 or

1 plus 717 plus 323-9411

1962

1963

1964

# *Academic Calendar*

## **FIRST SEMESTER, 1962-1963**

September 16, *Sunday*. Freshman Orientation Begins  
September 18-19, *Tuesday and Wednesday*. Registration  
September 20, *Thursday*. Classes Begin  
September 23, *Sunday*. Matriculation Service  
October 13, *Saturday*. Homecoming  
November 10, *Saturday*. Mid-semester  
November 21, *Wednesday*, 12:00 Noon. Thanksgiving Recess Begins  
November 26, *Monday*, 8:00 a. m. Classes Resume  
December 21, *Friday*, 12:00 Noon. Christmas Recess Begins  
January 3, *Thursday*, 8:00 a. m. Classes Resume  
January 11, *Friday*, 5:00 p. m. Reading Period Begins  
January 15, *Tuesday*, 1:30 p. m. Final Examinations Begin  
January 25, *Friday*, 5:00 p. m. First Semester Ends

## **SECOND SEMESTER, 1962-1963**

January 28, *Monday*. Registration  
January 29, *Tuesday*, 8:00 a. m. Classes Begin, Mid-Year Convocation  
March 23, *Saturday*. Mid-Semester  
April 5, *Friday*, 12:00 Noon. Easter Recess Begins  
April 15, *Monday*, 7:00 p. m. Classes Resume  
May 17, *Friday*, 5:00 p. m. Reading Period Begins  
May 21, *Tuesday*, 9:00 a. m. Final Examinations Begin  
May 31, *Friday*, 5:00 p. m. Second Semester Ends  
June 2, *Sunday*. Baccalaureate and Commencement

## **SUMMER SESSIONS, 1963**

### **FIRST SESSION**

June 10, *Monday*, 9:00 a. m. Registration and Class Organization  
July 19, *Friday*, 12:25 p. m. First Session Ends

### **SECOND SESSION**

July 22, *Monday*, 9:00 a. m. Registration and Class Organization  
August 30, *Friday*, 12:25 p. m. Second Session Ends

## FIRST SEMESTER, 1963-64

September 15, *Sunday*. Freshman Orientation Begins  
September 17-18, *Tuesday and Wednesday*. Registration  
September 19, *Thursday*. Classes Begin  
September 22, *Sunday*. Matriculation Services  
October 19, *Saturday*. Homecoming  
November 20, *Wednesday*, 12:00 Noon. Thanksgiving Recess Begins  
November 25, *Monday*, 8:00 a. m. Classes Resume  
December 20, *Friday*, 12:00 Noon. Christmas Recess Begins.  
January 6, *Monday*, 8:00 a. m. Classes Resume  
January 15, *Wednesday*, 5:00 p. m. Reading Period Begins  
January 17, *Friday*, 1:30 p. m. Final Examinations Begin  
January 31, *Friday*, 5:00 p. m. First Semester Ends

## SECOND SEMESTER 1963-64

February 4-5, *Tuesday and Wednesday*. Registration  
February 6, *Thursday*, 8:00 a. m. Classes Begin  
February 11, *Tuesday*. Mid-Year Convocation  
March 24, *Tuesday*, 12:00 Noon. Easter Recess Begins  
March 31, *Tuesday*, 8:00 a. m. Classes Resume  
May 22, *Friday*, 5:00 p. m. Reading Period Begins  
May 26, *Tuesday*, 9:00 a. m. Final Examinations Begin  
June 5, *Friday*, 5:00 p. m. Second Semester Ends  
June 7, *Sunday*. Baccalaureate and Commencement

## SUMMER SESSIONS, 1964

### FIRST SESSION

June 15, *Monday*, 9:00 a. m. Registration and Class Organization  
July 24, *Friday*, 12:25 p. m. First Session Ends

### SECOND SESSION

July 27, *Monday*, 9:00 a. m. Registration and Class Organization  
September 4, *Friday*, 12:25 p. m. Second Session Ends

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THIS IS LYCOMING

# *Purpose and Objectives*

Lycoming College devotes itself to the vocation of humanity: the vocation that enables man to become aware of what it means to love truth, goodness and beauty, by

fostering free inquiry and learning in a curricular experience that provides basic knowledge of the cultural, social and natural world, developing searching, critical, and creative attitudes of mind, encouraging cultural explorations essential to a free society, affirming the Christian faith as a valid interpretation of the vocation of humanity,

developing an appreciation for the values of social, mental and physical well-being, and

preparing students for professional and vocational opportunities that may be pursued upon a more humanitarian level because of foundations laid by a strong liberal education.

“Vocation of humanity” suggests that the primary concern of The College is human life and living. We find this concern manifesting itself, in a Christian setting, as an affirmation of the fundamental dignity and worth of all human beings. The entire program of The College is directed toward fulfillment of objectives that seek to fit young men and women for “the living of these days,” in a global society in which the priceless commodity is human life. Lycoming College redefined its educational mission in 1960 by the formulation of the specific objectives above. It now faces the decade ahead with the confidence that man’s best chance for survival lies in wisdom, knowledge, and understanding born of liberal education.

# *History*

While the specific objectives of The College have varied somewhat with the changing years, its purpose of providing educational opportunities for young men and women has remained consistent throughout the 150 years of its history.

Founded in 1812 as Williamsport Academy, it is the oldest educational institution in the city of Williamsport. At first, the Academy served only the young through what are now recognized as the elementary grades. With the advent of public schools in the city, the Academy expanded its curricular offerings to include high school and college preparatory work.

In 1848, under the patronage of The Methodist Episcopal Church, the Academy became Williamsport-Dickinson Seminary. The Seminary continued as a private boarding school until 1929 when once again its offerings were expanded to include the first two years of college work. This expansion resulted in a change of the institution's name to Williamsport Dickinson Junior College. During its years as a junior college under President John W. Long, the institution forged a strong academic reputation, strengthened its faculty and expanded its physical plant.

Increasing national demands for higher education following World War II prompted another significant step in the growth of the institution. In 1948, the junior college became Lycoming, a four-year degree-granting college of liberal arts and sciences. The name Lycoming is derived from an Indian word "lacomic" meaning "Great Stream." It is a name that has been common to north central Pennsylvania since colonial times and is an appropriate one for a school whose purpose has been consistently that of educating the area's young men and women. Through fulfillment of its specific objectives, it has been and continues to be an influential voice in the educational, cultural and spiritual development of the entire north central Pennsylvania region.

# *Locale*

Lycoming College is situated upon a slight prominence in downtown Williamsport, Pennsylvania, overlooking the beautiful West Branch Valley of the Susquehanna River. The city has a population of some forty-five thousand who quite generally consider The College one of their finest assets.

Williamsport was once the center of the lumbering industry of the northeastern United States and, while some vestiges of that enterprise remain, the mid-twentieth century finds the city expanding with many widely diversified industries.

The area around Williamsport is famous for its beautiful mountain scenery and fine outdoor recreational facilities. Every year, thousands are attracted to the wooded mountain sides and crystal-clear streams where the outdoor sports, hunting and fishing, are unsurpassed. The city has two large parks, a municipal golf course, tennis courts and numerous playgrounds. Public education is represented by excellent schools both in the city and in the surrounding townships and boroughs. Many cultural opportunities are provided by Lycoming College, the Civic Choir, the Community Arts Festival and the Community Concert Association. Eighty-eight churches representing a number of denominations minister to the spiritual needs of the community.

Within America's industrial Northeast, Williamsport is indeed centrally located. It is approximately two-hundred miles from the major urban centers of the region: Washington, D. C., Baltimore, Philadelphia, New York, Syracuse, Rochester, Buffalo and Pittsburgh. The city is easily accessible by airline, train, bus and automobile. Allegheny, United and Trans World Airlines provide some twenty flights daily with direct passenger service to virtually all Pennsylvania cities as well as New York, Albany, Rochester, Buffalo, Boston, Providence, Cleveland, Detroit and Washington, D. C. The Pennsylvania Railroad offers daily passenger service to Buffalo, Harrisburg, and Washington with connections at Harrisburg to all major cities. Greyhound Bus Lines and Edwards Lakes to Sea System operate daily schedules to all points. U. S. Highways 15 and 220 are routed through the Williamsport area as are State Highways 14, 87 and 118. The new Interstate Highway 80, The Keystone Shortway, will cross the state just a few miles south of Williamsport.

# *Traditions*

The long and enduring history of Lycoming and the attractive geographic setting combine to provide fertile ground for the seeds of enriching expansion, a factor that has become one of the College's major traditions. To be sure, the alumni nostalgically remember "Old Main" and the other buildings, but what seems *most* characteristic of their college is its amazing capacity for growth: growth that continues to meet the demands of our changing society and its evolving culture.

Through more than a century of its history, The College has had the stabilizing influence of The Methodist Church. The evolution of Lycoming from its origins to its present status has been accomplished with the continuous conviction that a Christian philosophy of life is the proper leaven of higher education. Lycoming strives to foster a Christian atmosphere in all aspects of the college program and to stress the development and practice of a Christian way of life.

Lycoming College is owned by the Preacher's Aid Society of The Central Pennsylvania Annual Conference of The Methodist Church. The faculty and students express their religious convictions through membership and participation in the churches of almost thirty Protestant denominations as well as the Roman Catholic and Hebrew faiths. Significant opportunities are offered every student for personal expression of religious faith. Loyalty to the church of one's choice is encouraged.

Lycoming College firmly believes in Christian higher education. One of its major objectives is continuous affirmation of the validity of the Christian faith as a way of life. Fulfillment of this objective is accomplished by the support of a strong Department of Religion. This department was established through the generosity of the late Honorable M. B. Rich, for ten years President of the Board of Directors.

An emphasis upon Christian worship and thought is also offered by the weekly Chapel Program. It brings to the campus outstanding religious leaders who share with the Student Body the best in contemporary religious thinking. Chapel has become a strong tradition on the Lycoming campus. Attendance is required of all students who are enrolled full-time. Students are expected to attend The Chapel

on a regularly scheduled basis on at least fifteen occasions throughout any one college year.

During the first few weeks of the second semester, an annual week of *religious emphasis* is held. The week is under the sponsorship of the Religious Life Council. Students and faculty discuss together common problems in some aspect of religious experience with the objective of stimulating enriched interest throughout the campus community.

# ACADEMIC PROGRAM

# *Admissions*

## ADMISSIONS POLICY

The policy of Lycoming College is to admit applicants who, in the opinion of the Admissions Committee, are best qualified to profit by the opportunities offered by the College, and who can at the same time make positive contributions to undergraduate life. Due consideration is given not only to academic attainment, as evidenced by school records and examinations, but also to the applicant's character, personality, and interest and accomplishments in extra-curricular pursuits.

Admission to Lycoming College is on a competitive basis. Early application, while encouraged, does not assure admission.

## APPLICATION PROCEDURE

Persons desiring to apply for admission should request official forms from the Director of Admissions.

The Admissions Office compiles a personal file for each applicant and the following items must be submitted before final acceptance is approved:

1. Application for Admission and secondary school record on forms supplied by the College. A registration fee of \$10.00 must accompany each application. This fee is not refundable.
2. A small recent photograph (approximately 2" x 3") of the applicant.
3. The Scholastic Aptitude Test of the College Entrance Examination Board. Applicants wishing to enter the College in September should arrange to take these examinations no later than February of their senior year.

The responsibility for arranging to take these examinations rests with the applicant. However, the Director of Admissions will be glad to advise any applicant on this matter if requested.

In addition to the above, all applicants are required to visit the campus and to meet with the Director of Admissions or a representative of the Admissions Office. This conference provides an opportunity for reviewing the applicant's academic record, discussing his (or her) plans, and answering questions.

Following receipt of the above items, the Admissions Committee will determine those applicants who can be accepted. All applicants will be notified accordingly by letter as promptly as possible. Action of the Admissions Committee must be regarded as final.

## THE COLLEGE ENTRANCE EXAMINATION BOARD TESTS

### *Scholastic Aptitude Tests*

During the academic year 1962-63, the College Entrance Examination Board will administer the Scholastic Aptitude Tests on each of the dates listed below. The deadline for application is approximately one month prior to the test date.

### *Date of Tests*

Saturday, December 1, 1962	Saturday, March 2, 1963
Saturday, January 12, 1963	Saturday, May 18, 1963
Wednesday, August 14, 1963	

Applicants should consult with their high school counsellors concerning the details of registering for the tests, or write directly to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey, requesting the Bulletin of Information. This bulletin, obtainable without charge, contains rules regarding applications, fees, reports, and the conduct of the tests; lists of examination centers and an application blank are bound in it. The completed blank should be returned to the College Board office promptly. The applicant will then be supplied with further information about the tests and his ticket of admission to the test center he has specified. The results of the tests are sent directly to the college(s) listed by the applicant, but not to the applicant. Results are normally received by the Colleges three to four weeks following the test date.

### *Achievement Tests*

Achievement tests are offered in a number of subject matter fields by the College Entrance Examination Board. The tests are administered in test centers designated by the College Board on selected dates in December, January, March, May, and August. While Lycoming College does not require Achievement Tests for admission, prospective students are urged to take at least three Achievement Tests: Foreign Languages, Mathematics and one other of his choice. Results are used by The College for purposes of placement.

### *Writing Sample*

A writing sample exercise will be offered by the College Board on December 1, 1962, and January 12, 1963. This is not a requirement for

admission to Lycoming, but applicants who take this writing test are asked to have a copy of it submitted to this College.

## ADMISSIONS REQUIREMENTS

The usual evidence of academic preparation to enter Lycoming College is the satisfactory completion of 16 academic units of high school work, including 4 units of English, and at least 2 units of one foreign language, 2 units of science, 2 of history and 2 of mathematics.

Cooperative engineering students and mathematics majors must include plane geometry as one of the two units of mathematics. A letter of recommendation from the applicant's private teacher and/or high school music supervisor should accompany the application of music majors.

## EARLY DECISION PLAN

Lycoming College has adopted an Early Decision Plan which will permit the Director of Admissions to notify well qualified candidates at the beginning of their senior year in high school that their admission to the college is assured upon graduation. Further information concerning the Early Decision Plan or the regular programs of study offered at Lycoming can be obtained by writing to the Director of Admissions.

## ADVANCED PLACEMENT

Incoming freshmen who have achieved satisfactory scores in the standard Advanced Placement Examinations are permitted to enroll in advanced courses on the college level during their freshman year. Such students receive college credit equal to that assigned to the freshman course which is waived. These credits are to be entered upon the students record without the regular tuition charge. Students who offer satisfactory scores in four or more Advanced Placement Examinations are admitted to The College as sophomores.

## ADVANCED STANDING

A limited number of students with advanced standing may be admitted to Lycoming each year. The determining factors in considering such applicants will be their academic records at the previous college, their field of concentration, and the reasons prompting their desire to transfer. All transfer applicants must show evidence of honorable dismissal from their previous college(s), must submit an official transcript of all work taken at other colleges, copies of their current catalogues, and must come to the Campus for a personal interview.

Upon acceptance, the transfer student should contact the Registrar to prepare a schedule of studies for the coming semester. A student admitted with advanced standing is required to complete at Lycoming the last thirty hours in order to qualify for a bachelor's degree. Transfer students must satisfy the College graduation requirements to be awarded a degree.

## **SUMMER ENROLLMENT OF PRE-COLLEGE STUDENTS**

By special arrangement, qualified high school students who have completed their sophomore, junior or senior years may be admitted to the College's summer program to take certain courses. Such students will receive college credit for all work that is passed. Courses especially recommended in this program are the college freshman and sophomore courses in foreign languages and mathematics. Admission to the sophomore level courses in these departments would depend upon previous achievement as determined by a qualifying examination administered at the time of registration.

## **ADMISSION TO SUMMER SESSIONS AND EVENING CLASSES**

Persons desiring admission to summer sessions or evening classes should apply to the Director of Admissions. All candidates for degrees must meet the same entrance requirements as those attending regular session day classes.

Applicants who hold degrees from other colleges or universities will be admitted as special students. Such applicants must present written evidence stating the field of concentration, the degree, and the date conferred.

All other applicants who desire admission to specific courses will be considered on the basis of preparation and experience.

## **ADMISSIONS OFFICE**

The Admissions Office is located on the Campus on the first floor of the Old Main Building. The office is open Monday through Friday from 9 a. m. to 5 p. m., and on Saturday from 9 a. m. until noon. Appointments for interviews may be arranged by writing or calling the office. The telephone number is Williamsport 323-9411, Extension 12.

All applicants are required to visit the Campus if possible and to inspect the facilities of the College and meet with some of its officials. Appointments are not required, but visitors are advised to arrange for them if they wish to see particular members of the administrative staff or faculty.

# Standards

## REQUIREMENTS FOR GRADUATION

The College offers courses of study leading to the degree of *Bachelor of Arts*. A minimum of 37 semester courses (normally 40 are expected) totaling at least 120 semester hours are required for graduation. A minimum of 15 courses shall be of 300-400 level. Among all courses, 25 or more must have been passed with a grade of C or better. A minimum cumulative grade point average of 1.80 is required for graduation.

Additional requirements are:

Four semester hours credit in Physical Education to be taken in the first two years (not included in the 120 academic hours).

Chapel credit for each fall and spring semester of attendance at Lycoming College.

Freshman Orientation.

All financial obligations incurred at the College must be paid.

The work of the final year is to be taken at this College, except in the case of students enrolling in the cooperative programs in medical technology, engineering, or forestry.

## GRADING SYSTEM

A credit hour is defined as one hour of classroom work, or the equivalent, each week during a full term of sixteen weeks. Ordinarily, two hours of laboratory work are rated as one credit hour.

Lycoming College uses the letter system of grading. "A" indicates work of highest excellence showing a superior grasp of the content, as well as independent and creative thinking in the course. "B" signifies better than average achievement wherein the student reveals insight and understanding. A grade of "C" is given for satisfactory achievement where the work has been of adequate quality and quantity. "C" is generally regarded as an average grade. A "D" grade indicates that the student has met the minimum requirements of the course. "F" is the failing grade, and the student receives neither credits nor quality points for courses carrying an "F" grade. A student must repeat all required courses for which he receives an "F" grade.

Scholastic rank is determined by the quality point system. A grade of "A" carries 4 quality points per semester hour. "B" carries 3, "C" carries 2, "D" carries 1, and "F" carries 0. A student's scholastic or grade-point average is computed by dividing total quality points earned by total credits scheduled, including those failed, if any.

## ACADEMIC HONORS

Students who have demonstrated high intellectual achievement throughout their college years may have the degree conferred upon them "with honors." To be eligible for such honors, a student must have passed at least ninety semester hours of academic work at Lycoming College.

The Bachelor of Arts degree, *summa cum laude*, shall be conferred upon students who have a grade-point average for the entire college course from 3.90 to 4.00.

The Bachelor of Arts degree, *magna cum laude*, shall be conferred upon students who have a grade-point average for their entire college course from 3.50 through 3.89.

The Bachelor of Arts degree, *cum laude*, shall be conferred upon students who have a grade-point average for their entire college course from 3.25 through 3.49.

The *Dean's List* is issued at the close of every semester to give recognition to those students who have shown superior academic achievement. Students whose grade-point averages are 3.4 or above for any one semester are nominated to the *Dean's List*.

High quality scholarship is also recognized by admission to membership in several honor societies: *The Sachem*, *Gold Key*, *Blue Key*, *Phi Alpha Theta*, and *Alpha Psi Omega*. Membership requirements of these societies are found on pages 52 and 53 of this catalogue.

## CLASSIFICATION OF STUDENTS

Admission to the Freshman Class: See requirements for admission to Lycoming College, Page 18.

Admission to the Sophomore Class: Twenty-three semester hours and a minimum cumulative grade-point average of 1.33.

Admission to the Junior Class: Fifty-four semester hours and a minimum cumulative grade-point average of 1.50. Satisfactory performance in written English, as judged by a proficiency examination administered by the English Department in the second semester of the sophomore year, is also a condition of admission to junior standing.

Admission to the Senior Class: Eighty-five semester hours and a minimum cumulative grade-point average of 1.67. No Junior may enter senior classification until all freshman, sophomore and junior required courses, including foreign language or mathematics where applicable, have been passed.

## PROBATION

When the following situations occur, students are placed upon academic probation and have suspended all scholarship and grant-in-aid financial assistance, as well as the privilege of participating in organized extra-curricular activities.

Freshmen—when the grade-point average is less than 1.33 for any one semester and less than a cumulative 1.33 after two semesters.

Sophomores—when the grade-point average is less than 1.67 for any one semester and less than a cumulative 1.50 after four semesters.

Juniors—when the grade-point average is less than 2.00 for any one semester or less than a cumulative 1.67 after six semesters.

Seniors—when the grade-point average is less than 2.00 for any one semester.

The terms Sophomore, Junior and Senior used in this description of probation shall be interpreted as including all students who have taken the minimum number of semester hours for two, four, or six semesters respectively, whether they have qualified for admission to that class or not.

## ACADEMIC DISMISSAL

The serious step of academic dismissal is taken when, in the judgment of the Faculty Committee on Probation and Dismissal, a student has demonstrated an incompatability with the academic demands of the College. The committee is guided by the following principles:

1. Freshmen on probation whose cumulative grade-point averages are 1.00 or above may be permitted to continue into the second year with the understanding that failure to achieve a cumulative grade-point average of 1.33 by the close of the first semester of the second year will result in academic dismissal. Attendance in the summer session in an effort to achieve the necessary grade-point average is strongly recommended.

2. Sophomores on probation who fail to achieve a grade-point average of 1.67 during the semester in which they are on probation may be given the privilege of continuing into the third year with the

understanding that failure to achieve a cumulative grade-point average of 1.50 by the close of the first semester of the third year will result in academic dismissal.

3. Academic dismissal of juniors and seniors on probation will depend upon a review of the entire record.

4. The College reserves the right to dismiss any student whose grades are excessively low in any one semester. It also reserves the right to dismiss any student when such dismissal is in the best interests of The College.

## CLASS ATTENDANCE

The academic program at Lycoming is based upon the assumption that there is value in class attendance for all students. Individual instructors have the privilege of establishing reasonable absence regulations in any given course. Responsibility for learning and observing these regulations rests with the student.

## NORMAL STUDENT LOAD

All students who are degree candidates are expected to register for *four* or *five* academic courses in any one semester. Grade-point averages used to determine honors, Dean's List, probation and dismissal are based upon a minimum of twelve semester hours of academic work per semester.

Students who wish to carry more than the normal load of five academic courses may do so after securing written permission from the Dean of the College. Charges for the overload will be assessed the student at the rate of \$37.50 for every semester hour in excess of five academic courses.

# *Degree Requirements*

Lycoming College confers the *Bachelor of Arts* degree. Candidates for the Bachelor of Arts degree follow programs designed to fulfill the objectives of The College within the normal 120 semester hours (8 semesters) of college work. In every program the curricular experience provides a basic knowledge of the cultural, social, and natural world with emphasis upon the development of searching, critical, and creative attitudes of mind. Achievement of these objectives is sought by requiring of the student a core of general studies courses as well as a major of at least twenty-four semester hours.

## ENGLISH COMPOSITION

Six hours of English composition are required of all students. It is assumed that satisfactory completion of these six hours of composition will allow for the establishment of a firm understanding of English language usage. It is further assumed that such understanding will be maintained during the remaining college years and beyond. The student is expected to use consistently good English in writing and speaking in all his college courses. He should recognize that a part of the grade evaluation for any course may depend upon the degree to which effective use is made of the English language. In order to determine further the student's consistency in the use of good English, the Department of English administers English Competence Examinations to all students during the second semester of their sophomore year. Students who do not attain satisfactory scores on these examinations must re-register for English composition (English 101) without credit in the next succeeding semester. They must then retake the English Competence Examinations in the second semester of the following year. Failure to achieve satisfactory scores for the second consecutive year will necessitate taking additional non-credit work in English composition to be followed by a third attempt in the English Competence Examinations. Inability to achieve a satisfactory score on the third attempt will result in academic dismissal from The College.

## FOREIGN LANGUAGE OR MATHEMATICS

Experience in a foreign language or mathematics is required of all students. The level of achievement is adjudged to be completion of the second year college course in either area.

### *A. Foreign Language:*

Students electing foreign language must meet the requirement of two years of French, German, Greek, Russian, or Spanish. The first year may be waived if the student demonstrates sufficient proficiency in the language by: (1) offering a satisfactory grade in an examination administered during New Student Week; (2) offering a satisfactory grade in the Language Achievement Test of the College Board Examinations; or (3) offering acceptable transfer credits for an introductory course (two semesters) on the college level. Students who elect a foreign language and who present for admission to Lycoming College at least two years of that language on the high school level, but who do not qualify for waiver of the first year college course under the conditions described above are required to take the first year college course without credit unless 18 or more acceptable units were completed in high school, or to elect another language at the first year level.

Once a student has enrolled in an elementary or intermediate language sequence to fulfill a graduation requirement, credit for the first semester's work will be withheld until the second semester's work has been successfully completed.

### *B. Mathematics:*

Students electing mathematics must meet the requirement of two years by taking College Algebra and Trigonometry (Mathematics 101-102) and Analytical Geometry and Differential Calculus (Mathematics 201-205) or Introduction to Modern Mathematics (Mathematics 207-208). The first year, Mathematics 101-102 may be waived if the student demonstrates some proficiency by offering a satisfactory grade on an examination administered during New Student Week or if he presents acceptable transfer credits for the introductory sequence (two semesters) on the college level.

## KNOWLEDGE OF THE CULTURAL, SOCIAL AND NATURAL WORLD

One of the objectives of The College specifies knowledge of the cultural, social and natural world as vital to the education of every student. Achievement of this objective is sought by requiring students to take a minimum of *one year* of work in a single department in each of the following broad areas or groups of departments:

- 9 A. Literature in English, French, German, Russian or Spanish. ✓
- 9 B. Religion or Philosophy. ✓
- 6 C. Art, Music, or Speech (Drama). ✓
- 9 ✓ D. History or Political Science. ✓
- E. Economics, Psychology or Sociology. ✓
- ✓ ✓ F. Biology, Chemistry, Geology or Physics. ✓

To add depth as well as breadth to his program of general studies, the student takes at least *one course beyond the one-year sequence* in the selected departments of at least three of the above groups.

## THE MAJOR

Competence in a special area of academic work that may mean the satisfaction of certain vocational desires is to be sought in a major of at least twenty-four semester hours in one of the following:

American Civilization	German
Art	History
Biology	Mathematics
Business Administration	Music
Accounting	Philosophy
Banking and Finance	Physics
General Business	Political Science
Marketing and Retailing	Psychology
Chemistry	Religion
Economics	Russian
English	Sociology and Anthropology
French	Spanish

Special curricula, with majors in one of the areas listed above, are offered in teacher training, cooperative engineering, medical technology, cooperative forestry, and in preparation for professional education in *dentistry, law, medicine, the Christian ministry and Christian education*. Attention is also called to the fact that the majors in the areas listed above are suitable for preparation of the candidate for admission to graduate school.

## PROGRAMS OF STUDY

A typical schedule of courses for the Freshman Year is outlined below.

### FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English Composition .....	3	English Composition .....	3
Foreign Language or Mathematics .....	3-4	Foreign Language or Mathematics .....	3-4
The Beginning Course in the Major Field .....	3-5	The Beginning Course in the Major Field .....	3-5
Two courses selected from among the following groups of departments .....	6-8	Two courses selected from among the following groups of departments .....	6-8
1. Art, Music, or Theatre 2. Religion or Philosophy 3. History or Political Science 4. A Laboratory Science		1. Art, Music, or Theatre 2. Religion or Philosophy 3. History or Political Science 4. A Laboratory Science	
Total not to exceed .....	18	Total not to exceed .....	18

Students will register for courses only after consultation with and approval of faculty advisers. It is expected that students will elect those courses recommended by the department in which the major is to be taken. Course selection will obviously vary considerably depending upon the curriculum, the major and student interests.

### SPECIAL STUDY PROGRAMS

Qualified students who have been recommended by their advisers and heads of departments may participate in one of several special study programs:

**WASHINGTON SEMESTER**, during which a student is in residence on the campus of American University, Washington, D. C. This program is open to students who have special interests in Political Science, Law, and American Government.

**UNITED NATIONS SEMESTER**, during which a student is in residence on the campus of Drew University, Madison, New Jersey. This program is open to students who have special interests in International Politics, History, Law, and World History.

**JUNIOR YEAR ABROAD**, during which a student is registered for academic work in a foreign university.

Other programs of special interest are, from time to time, open to qualified students. For further information concerning any of these special study programs, students should consult the Dean of the College or head of the appropriate departments.

# *Curricula*

## **PURPOSES OF THE CURRICULA**

Courses of study in Lycoming College are designed to fulfill two specific but interrelated purposes. The first is to acquaint the student with the liberal arts heritage of human civilization and the American nation, and the second is to provide him an opportunity to explore from an elementary to an advanced level various subject matter fields that may fit him for a life's vocation or direct him toward professional or graduate schools.

The curricula are organized so that the basic purposes may be fulfilled simultaneously within the normal 120 semester hours (8 semesters) of college work.

## **THE DEPARTMENTAL MAJOR**

Electing a major in college work depends upon a variety of factors. Preparation for a specific vocation will very often determine the major. But for the student who does not have a specific vocational aim, the choice of a major, which can be deferred until the beginning of the junior year in some cases, must depend upon other factors. Not the least important of these are the student's interest and aptitude. Every effort will be made through the counseling service offered by The College to determine the range of interests and aptitudes and thereby enable the student to come to a decision that will be best for him.

Because education is a continuous process that does not end at the completion of four years of college work, the student is encouraged, when aptitude and ability indicate probable success, to consider the opportunities available through graduate and professional studies. Listed below are a number of professional and graduate areas for which preparation may be secured at Lycoming College.

## **AMERICAN CIVILIZATION MAJOR**

Recognizing the rich intellectual heritage associated with the founding and subsequent development of the American nation, the Departments of English and History in Lycoming College have estab-

lished a combined English-History curriculum which focuses attention upon American civilization. Here the uniqueness of American democracy, cradled and nurtured on this continent, is stressed throughout. In order to achieve the deepest insight into the American scene, both historical and contemporary, the curriculum includes, in addition to those freshman and sophomore history and English requirements, twenty-four hours of 300- and 400- level English and history courses including History 359-360, American Social and Intellectual History, six advanced hours in American literature and not more than nine advanced hours in either subject. Students desiring a thorough background in American civilization in preparation for graduate work, the Christian ministry, civil or foreign service or teaching will find this a most attractive and exciting curriculum.

## PREPARATION FOR DENTAL SCHOOL

At least three years of pre-dental study are suggested before entry into a college of dentistry. However, many students prefer to defer their matriculation in a dental college until they have earned a Bachelor of Arts degree. The pre-dental curriculum is organized around the basic courses in biology, chemistry and physics. Electing a major in one of the natural sciences is the usual procedure. The student should consult the catalogue of the college of dentistry to which he expects to apply so that all courses specifically required by that college of dentistry may be included in his program at Lycoming College. The modern practitioner of dentistry is not just a dentist. He is a human being dealing with other human personalities and as such must be conversant in a great variety of human experiences. For this reason, the pre-dental curriculum will be augmented with courses from many areas of academic work. In addition to the science courses, therefore, the pre-dental student will include in his curriculum courses from the fine arts, humanities and social sciences, as well as a foreign language.

## COOPERATIVE CURRICULUM IN ENGINEERING

Consistent with increased attention being given nationally to engineering education, Lycoming College offers a cooperative curriculum combining the manifold advantages of a small liberal arts college with the training to be secured at an engineering school. By arrangement with Bucknell University and The Pennsylvania State University, the College offers a five-year program the first three years of which are spent at Lycoming and the final two at the engineering

school. Upon completion of the first year at the engineering school, the student's record will be sent to Lycoming College, and if the work is satisfactory, Lycoming College will award the Bachelor of Arts degree. Upon the completion of the five-year program of studies, a Bachelor of Science in Engineering is awarded by the engineering school. Combined programs offer an opportunity for completion of studies in the following areas: Bucknell University: chemical, civil, electrical, or mechanical engineering; The Pennsylvania State University: aeronautical, civil, electrical, industrial, mechanical or sanitary engineering.

Prescribed work at Lycoming includes, in addition to the degree requirements outlined above, courses in chemistry, mathematics and physics. Because the demands of the engineering curricula may differ somewhat, a program of studies at Lycoming College will be designed for each student when his plans as to type of engineering program preferred have been finally fixed. The Director of the Division of Natural Science or a member of the teaching staff in the physical sciences will aid each cooperative engineering student in planning his program.

## COOPERATIVE CURRICULUM IN FORESTRY

Lycoming College offers a program for forestry students which combines a strong liberal arts and science background with professional training in forestry at the Duke School of Forestry, Duke University, Durham, North Carolina.

The program as established is of five years' duration. A student electing to pursue this program of study will spend three years at Lycoming where he will meet the liberal arts degree requirements, including such subjects as English, a foreign language, biology, chemistry, physics, mathematics and economics.

Upon satisfactory completion of these three years' work at Lycoming College, the student will apply for admission to the Duke School of Forestry for one summer and two years of training in forestry. At the end of his first year at Duke, his record will be sent to Lycoming College. If the work be satisfactory for this fourth year in college, Lycoming will award the Bachelor of Arts degree. Upon the satisfactory completion of the second year in forestry school, the professional degree, Master of Forestry, will be awarded by Duke University.

## PREPARATION FOR LAW SCHOOL

Many colleges of law require a Bachelor of Arts degree for admission. The four-year degree program in pre-law at Lycoming

College provides a background for the prospective student of law. Requirements include courses in political science and history, but also specified is a wide range of subject matter, designed to acquaint the student with the vast scope of human experience. Students may expect to major in economics, history, political science, or related fields as they prepare for matriculation in law school. Individual programs are tailored to fit the student's needs as well as to meet the specific requirements of the law school to which he applies for admission.

## PREPARATION FOR MEDICAL SCHOOL

This curriculum is organized around a solid foundation of the basic courses in biology, chemistry and physics. Pre-medical students usually major in one of the natural sciences. The student should be aware of the specific pre-medical course requirements demanded by the medical school to which he will apply so that all such requirements can be fitted properly into his curriculum at Lycoming College. Consistent with suggestions of the medical schools, a wide range of subject matter from the humanities, social sciences and fine arts are also to be included in the curriculum. Some students may matriculate in a college of medicine after three years of pre-medical work, but the more normal procedure is to elect four years of pre-medical study and enter the medical college with a Bachelor of Arts degree.

## PREPARATION FOR THEOLOGICAL SEMINARY

### (Christian Ministry)

Young men and women called to the Christian ministry or related vocations will find the pre-ministerial curriculum at Lycoming College an exciting and challenging opportunity. Basic courses specified by the American Association of Theological Schools are virtually identical with the program of courses required for a Bachelor of Arts degree at Lycoming College. Such courses offer a wide range of subject matter presenting many opportunities for the eager pre-ministerial student to acquaint himself with the broad scope of human experience. Preparation for seminary includes earning a Bachelor of Arts degree with a major in one of a variety of fields such as English, history, American civilization, philosophy or a social science. So that every student may have a curriculum designed to fit his individual needs, the offerings in the junior and senior year are largely elective. However, the choice of electives will depend upon the specific requirements of the theological school in which the student expects to matriculate.

## CURRICULUM IN RELIGION AND RELIGIOUS EDUCATION

Any student desiring extensive study in Biblical history and literature, the historical development of Christianity, and Christian doctrine, may major in religion. A qualified student planning to enter the vocation of religious education should, besides majoring in religion, elect 18-21 semester hours in prescribed psychology, education, sociology, and church music courses. This program of study, completely within the liberal arts curriculum, is to qualify graduates for work as Educational Assistants, or after graduate study in a theological seminary, as Directors of Christian Education. Interested students, or prospective students, are invited to contact Dr. Ramsey of the Department of Religion for further information concerning the opportunities, responsibilities and requirements of these and other church vocations.

## TEACHER EDUCATION

Lycoming College trains teachers for both elementary and secondary education. The program is clearly identified with the liberal arts nature of the College, and hence, no candidate for the profession of teaching is considered apart from the total liberal arts objective. Teacher education candidates meet all general course requirements of the College including a major in a subject matter field. Professional education requirements are stipulated as follows:

### *Secondary Education.*

Eighteen semester hours of professional education courses including:

Education 201	Introduction to Education, Three hours
Psychology 309	Educational Psychology, Three hours
Education 304	Methods in Secondary Education, Three hours
Education 401	Practice Teaching, Six hours.
	and three additional hours in Education.

### *Elementary Education.*

Forty-two semester hours of professional and approved liberal education (academic content) courses including:

Education 201	Introduction to Education, Three hours
Education 334	Reading Methods, Three hours
Education 344	Elementary Methods, Three hours
Education 400	Practice Teaching, Six hours
Psychology 111	Introduction to Psychology, Three hours
Psychology 308	Child Psychology, Three hours
Psychology 309	Educational Psychology, Three hours

and three additional semester hours in Education, and a minimum of fifteen semester hours selected from at least 4 of the following general areas:

Elementary Design, Six hours	(1) Art 141-142
Music Theory, Eight hours	(2) Music 121-122
Introduction to Modern Mathematics, Six hours	(3) Mathematics 207-208
General Biology, Eight hours and/or	(4) Biology 101-102
General Geology, Eight hours	Geology 101-102
American History, Six hours	(5) History 109-110
English Literature, Six hours or	(6) English 201-202
American Literature, Six hours	English 203-204
Economic Geography, Four hours	(7) Economics 301

Students may be considered for admission to the teacher education program under the following general terms:

1. Freshmen are not admissible to candidacy nor are they eligible for registration in courses offered by the Education Department.
2. Potential candidates must be approved by the Teacher Education Committee who will evaluate the candidates by personal interview and review of aptitude examinations and academic records.
3. Candidates must receive a satisfactory grade in Education 201, Introduction to Education. This course will normally be elected in the Junior Year.

Once admitted to candidacy, the following policies are in effect for students:

1. Attendance upon meetings of teacher education societies, clubs, or seminars is strongly recommended. These meetings are oriented toward the stimulation of professional attitudes.
2. Students will elect courses in academic and professional areas according to the demands of the major field.
3. Registration for Education 400 or 401, Practice Teaching, will be permitted only when a satisfactory cumulative grade-point average has been achieved in all courses.

## BUSINESS ADMINISTRATION CURRICULUM

Lycoming College offers course work in the area of general business particularly designed for training the prospective business executive. The modern American executive has a broad scope of intellectual interests outside his field of specialization. For this reason, the students enrolled in this curriculum will be required to take a wide range of courses in humanities, fine arts and the natural and social sciences. In addition to these courses specified under Degree Requirements above, the business student will be required to take Elementary Accounting, Statistics, Business Law, Principles of Economics, Money and Banking, and Corporate Finance. The remainder of the courses to be taken in the field of business will depend upon the major.

- a. Major in general business: Advanced courses in the field of business administration and/or economics totalling 24 semester hours, beyond the basic courses outlined above.
- b. Major in accounting: Intermediate Accounting and at least 18 additional hours in Accounting.
- c. Major in banking and finance: Intermediate Accounting and at least 18 additional hours in recommended business courses.
- d. Major in retail distribution: At least 24 semester hours in courses in retailing, marketing, and selling.
- e. Major in economics: Principles of Economics and 24 additional hours in economics.

## MEDICAL TECHNOLOGY

This curriculum is organized around an academic background of basic science courses in addition to those liberal arts courses listed as requirements for the Bachelor of Arts degree. Twelve semester hours in biology are required as well as one semester of mathematics. In chemistry, General Chemistry and Quantitative Analysis are specified. Three years are spent in obtaining this academic background; the fourth year is spent in the medical laboratories of an approved hospital. The senior year will consist of an internship of a full calendar year at a hospital accredited in the Registry of Medical Technologists of the American Society of Clinical Pathologists. The College will give credit for the year when it is informed that the student has successfully passed the examinations given by the Registry of Medical Technologists of the American Society of Clinical Pathologists, and submits an official transcript of studies completed at the hospital.

# EXPENSES AND FINANCIAL AID

# *Expenses*

## GENERAL EXPENSES

In considering the expenses of college, it is well to bear in mind that no student actually pays the full cost of his education. State colleges are enabled to keep the cost of tuition within reasonable limits by grants from the public treasury; independent colleges achieve this by voluntary contributions supplemented by income from their invested endowment funds. At Lycoming College, the tuition fee which each student pays represents only a portion of the total instruction cost. Tuition is kept at the lowest possible minimum consistent with adequate facilities and competent instruction.

Tuition at Lycoming is \$550.00 per semester, plus certain fees which are listed on the following pages. The room expense for boarding students amounts to \$200.00 per semester except for men living in the Fraternity Residence who are assessed an additional \$25.00. Board is \$225.00 per semester (the academic year comprises two semesters of approximately sixteen weeks each). If, for justifiable reason, it is impossible for a student to eat in the College Dining Room, permission may be given the student to make other arrangements for meals. However, in the event such permission is granted, the room cost will be 50% higher than the above rates. If a student requests the use of a double room as a single room and the room is available, he will be charged 50% more than regular rates.

The tuition charged covers the regular or prescribed course of study which normally comprises four or five subjects (12-18 hours). If a student elects to carry additional courses a charge of \$37.50 per credit hour is levied. Those students carrying fewer than 12 hours are also charged at the rate of \$37.50 per credit hour. Additional detailed information will be furnished by the Treasurer's Office upon request.

## APPLICATION FEE AND DEPOSIT

All students applying for admission are required to send an application fee of \$10.00 with the application. This charge is to partially defray the costs of processing the application, maintaining academic records and is non-refundable.

After a student is notified that he has been accepted for admission by The College, he is required to make a deposit of \$50.00. This de-

posit is evidence of the applicant's good intention to matriculate and is applicable to the general charges of the semester, and is not an extra fee. This deposit is not refundable.

All returning students are required to pay a deposit of \$50.00 on or before April 15, to reserve their place in the student body. This deposit is credited to the student's account, but is not refundable.

## BOOKS AND SUPPLIES

A modern book and supply store is conveniently located in the Student Activities Building. Books and supplies are purchased by the individual student. The estimated cost is approximately \$75.00 per year, but will vary somewhat in accordance with the course of study which the student is pursuing. The bookstore is open registration day and daily thereafter.

## EXPENSES IN DETAIL PER SEMESTER

### RESIDENT STUDENTS (Those living in College Dormitories)

	<i>Per Semester</i>
Comprehensive Fee .....	\$550.00
Room .....	200.00
Board .....	225.00
	<hr/>
Basic cost per semester .....	\$975.00

### NON-RESIDENT STUDENTS (Those not living in College Dormitories)

Comprehensive Fee .....	\$550.00
Basic cost per semester .....	\$550.00

## SPECIAL CHARGES

Laboratory Supplies Per Semester: Natural Sciences ..	\$10.00 to \$30.00
Organ Practice .....	10.00
Piano Practice .....	5.00
Practice Teaching .....	60.00
Late Registration Fee .....	5.00
Change of Schedule Fee .....	2.00
Special Examination Fee .....	5.00
Additional Credit Per Semester Hour .....	37.50
Diplomas .....	10.00
Transcript Fee (no charge for first transcript) .....	1.00
Caps and Gowns (rental at prevailing cost)	

The College reserves the right to adjust charges at any time as conditions necessitate.

## PAYMENT OF FEES

The basic fees for the semester are due and payable on or before registration day for that semester. Checks or money orders should be payable to Lycoming College. These basic fees are as follows:

Resident Students .....	\$975.00
Non-Resident Students .....	\$550.00

Charges for laboratory supplies and additional credit hours will be billed and payable immediately following each registration period.

## PARTIAL PAYMENTS

For the convenience of those who find it impossible to follow the schedule of payments as listed, arrangements may be made with the College Treasurer, for the monthly payment of college fees. Additional information concerning partial payments may be obtained from the Treasurer, or Director of Admissions.

## WITHDRAWALS AND REFUNDS

The date on which the Dean of the College approves the student's withdrawal sheet is considered the official date of withdrawal. In the case of minors, the approval of the parent or guardian is required before the withdrawal is approved and before any refund is made.

Room rentals have been fixed on a semester basis. Consequently, students leaving College prior to the ending of a semester will not be entitled to any refund of room rent. Board will be pro-rated by the week over the period of attendance.

Refund of tuition will be made to students who withdraw voluntarily from The College while in good standing and is fixed on the following basis: Students leaving during the first four-week period are charged 30%; during the second four weeks 60%; during the third four weeks, 90%; after twelve weeks, full charge.

Dropping a subject from the original schedule after the first week of either semester will not justify any claim for refund of tuition charges. Written permission to drop the subject must be obtained from the Dean's Office. No refund will be made to those students who are asked to withdraw from The College.

Other fees cannot be refunded for any reason whatever.

## PENALTY FOR NON-PAYMENT OF FEES

A student will not be registered for courses in a new semester if his account for previous attendance has not been settled.

No grades will be issued, no diploma, transcript of credits, or certification of withdrawal in good standing will be granted to any student until a satisfactory settlement of all obligations has been made.

## DAMAGE CHARGES

Wherever possible, damage to dormitory property will be charged to the person or persons directly responsible. Damage and breakage occurring in a room will be the responsibility of students occupying the room.

Halls and bathroom damage will be the responsibility of all students of the section where damage occurs. Actual costs of repairs will be charged.

## FINANCIAL AID

A generous program of financial aid for students is designed to recognize outstanding achievement and to supplement limited resources by providing assistance to students in their efforts to obtain a college education. This assistance may take any one, or any combination, of the following forms: (1) Scholarships, (2) Grants-in-aid, (3) Loans, (4) Workships.

With the exception of discounts, the establishment of need is the controlling factor in determining the amount of the grant or award. To this end, Lycoming uses the College Scholarship Service sponsored by the College Entrance Examination Board. Prescribed forms are furnished by the College upon request.

*Scholarships* are awarded to the beginning student on the basis of academic achievement as evidenced by the scores on the College Entrance Examination Board tests and a ranking in the first fifth of the high school class. To continue the receipt of the award during succeeding years, a cumulative grade point average of 3.0 plus must be maintained together with satisfactory campus citizenship.

*Grants-In-Aid* are awarded annually to students on the basis of a demonstrated need. The size of the grant is determined by need and by the promise of becoming beneficial members of The College family and of society.

*Ministerial Grants-In-Aid:* Financial assistance is available through grants from The Methodist Church to children of ministers and min-

isterial students. Consideration is also given to families with more than one student at The College.

*Loans*—Student loans are available from the following sources:

1. Title II of the National Defense Education Act of 1959 (Public Law 85-864).
2. Methodist Student Loans made available by The Methodist Church.
3. The Mr. and Mrs. R. F. Rich Loan and Prize Fund. The income from a capital fund of \$10,000 is available for loan.
4. Donald Robert Ahn Memorial Fund in Music. The principal of the Memorial Fund is available for loans to worthy students who are majoring in music.
5. The Lambda Chi Alpha Loan Fund, created by the gift of \$500 of Dean and Mrs. William S. Hoffman. The purpose of the fund is to grant loans in small amounts for emergencies where the student is able to show immediate need of financial assistance.

Detailed information concerning the above loans is available upon request.

*Workships*: Financial assistance is made available to a limited number of students annually in both The College and the city by means of gainful employment. Workships are generally not available for freshmen.

# *Endowment and Scholarships*

## **ENDOWMENT**

The Margaret A. Stevenson Powell gift to Endowment. \$1,200, the gift of her children.

The Pearl C. Detwiler gift to Endowment. \$500 bequeathed by her husband.

The Frank Wilson Klepser Memorial gift to Endowment. \$5,000 given by his parents.

The Benjamin C. Bowman gift to Endowment. \$5,000, the gift of Mr. and Mrs. J. Walton Bowman.

The Mr. and Mrs. A. F. Young gift to Endowment. \$10,000.

The Miriam P. Welch gift to Endowment. \$500.

The Wilson Hendrix Reiley Memorial gift to Endowment. \$500.

The Mrs. Margaret J. Freeman gift to Endowment. \$1,000.

The Agnes L. Hermance Art gift to Endowment. \$2,000.

The Grace Stanley Dice Memorial gift to Endowment. \$1,000, the gift of her husband, Willis C. Dice.

The Clarke Memorial Fund of about \$100,000, provided by gift and bequest by the late Miss Martha B. Clarke, of Williamsport, Pennsylvania, a former student, in the interest of the development program of Lycoming College. This was applied to the erection of the Clarke Building.

The Julia Trump Rich Memorial Fund, Endowment through annuity, of \$25,000, the gift of Robert F. Rich, husband.

The M. B. Rich Chair of Religion. Endowment \$50,000.

The Rich Family Endowment of \$75,000. The income therefrom to be used for the upkeep of Rich Hall, Fine Arts Building and President's Residence.

## **SCHOLARSHIPS**

Over two thousand dollars is awarded annually in scholarships and prizes. This not only encourages scholastic attainment, but also affords generous help to needy, worthy students. The list of scholarships and prizes follows:

**THE DeWITT BODINE SCHOLARSHIP**, founded by the late DeWitt Bodine, of Hughesville, Pa.

The entire expenses of board and tuition to that pupil of the graduating class of the Hughesville High School who shall excel in scholarship and character.

**THE EDWARD J. GRAY SCHOLARSHIP**, founded by the late Rev. Dr. Edward J. Gray, for thirty-one years the honored president of this institution.

The interest on \$1,000 to be paid annually, in equal amounts, to the two applicants who attain a required rank highest in scholarship and deportment in the Senior Class.

**THE ALEXANDER E. PATTON SCHOLARSHIP**, founded by the late Hon. Alexander E. Patton, Curwensville, Pa.

The interest on \$1,000 to be paid annually, in equal amounts, to the two applicants who attain a required rank highest in scholarship and deportment in the Junior Class.

**THE GEORGE W. HUNTLEY, JR. SCHOLARSHIP**, founded by the late George W. Huntley, Jr., Emporium, Pa.

The interest on \$7,000 is available to help defray the tuition and expenses for the first year only of any graduate of Emporium High School who meets provisions as set forth in the trust agreement. The selection is made by the Superintendent of Schools, Cameron Co., Pa.

**THE ELIZABETH S. JACKSON SCHOLARSHIP**, founded by the late Mrs. Elizabeth S. Jackson, of Berwick, Pa.

The interest on \$500 to be paid annually to the applicant who attains a required rank highest in scholarship and deportment in the Sophomore Class.

**THE DONALD C. WOLFE SCHOLARSHIP**, founded by the late Mrs. Nora E. Wolfe, of Williamsport, Pa.

The interest on \$4,000 to be paid annually to a worthy ministerial student to be selected by the trustees of Lycoming College.

**THE WILLIAM WOODCOCK SCHOLARSHIP**, founded by William L. Woodcock, Esq., of Altoona, Pa.

The interest on \$500 to be paid annually to the applicant who attains a required rank second in scholarship and deportment in the Sophomore Class.

**THE HIRAM AND ELIZABETH WISE SCHOLARSHIP**, founded by Hiram Wise, Montoursville, Pa.

The interest on \$500 to be paid annually to that ministerial or missionary student who, because of present circumstances and promise of future usefulness shall, in the judgment of the President, be deemed worthy of the same.

**THE MRS. JENNIE M. RICH SCHOLARSHIP** of \$5,000, the gift of her son, John Woods Rich, the interest on which is to be used in aiding worthy and needy students preparing for the Christian ministry or for deaconess or missionary work.

**THE McDOWELL SCHOLARSHIP**, founded by Mr. and Mrs. James E. McDowell, of Williamsport, Pa.

The interest on \$500 to be awarded annually by the President and Faculty to that ministerial student of the graduating class who shall excel in scholarship, deportment, and promise of usefulness, and who declares his intention to make the ministry his life work.

**THE DAVID GROVE AND WIFE SCHOLARSHIP**, founded by the late David Grove, of Lewistown, Pa.

The interest on \$2,040 to be given to worthy, needy students studying for the ministry, the holder or holders thereof to be appointed by the said Lycoming College.

**THE MARY STRONG CLEMENS SCHOLARSHIP FUND** OF \$2,500 donated by the late Chaplain Joseph Clemens, of Manila, P. I.

The interest to be used as scholarship, or scholarship loan aid, for the benefit of a student or students of Lycoming College who are preparing for

the Christian ministry, or for deaconess work, or its equivalent, in the Methodist Church. Beneficiaries may be named by Mrs. Strong Clemens, or in the absence of such recommendation the recipient or recipients shall be named by the President of the School.

#### THE BERYL CLINE GLENN SCHOLARSHIP

The interest on \$1,000 to be paid annually to a worthy student in the Music Department. The selection is made by the President and Faculty.

**THE BISHOP WILLIAM PERRY EVELAND MEMORIAL SCHOLARSHIP**, founded by the Alumni of Lycoming College who were students during the administration of Bishop William Perry Eveland and in his honor.

The interest on \$1,250 to be paid annually to a needy, worthy student or students who shall make the most satisfactory progress in scholarship and give promise of future usefulness and who by loyalty, school spirit, and participation in school activities is considered by the President and Faculty to most fully represent the standards and ideals of Lycoming College.

**THE AMOS JOHNSON SCHOLARSHIP**, founded by the late Rev. Amos Johnson, of Philadelphia, Pa.

\$500 to be held and invested by Lycoming College and the income arising therefrom to be used for the education of ministerial students of limited means.

**THE BENJAMIN C. CONNER SCHOLARSHIP**, the interest on \$500 given by an alumnus of the college to be awarded to that graduating student who has had at least 24 hours of mathematics beyond Mathematics 100 and whose average is highest for the mathematics courses taken beyond the sophomore level.

**THE RICH MEMORIAL SCHOLARSHIP FUND** of \$5,000, provided in the will of the late Hon. M. B. Rich, the interest of which is to be awarded annually to worthy young men or women who intend to devote their lives to the preaching of the Gospel, the missionary cause, or the work of a deaconess. The beneficiary shall be named by the Faculty with the approval of the Board of Directors.

**THE C. LUTHER CULLER SCHOLARSHIP**, the interest from an endowment of \$5,000 provided in the will of C. Luther Culler, of Williamsport, a graduate of Lycoming College in the Class of 1876. Awarded on scholarship.

**THE CLARA KRAMER EATON MEMORIAL SCHOLARSHIP**, founded by the late Clara Kramer Eaton, of Trevorton, Pa.

The interest on \$8,000 to be awarded annually to that student in the graduating class of Trevorton High School attaining the highest average in scholarship, for the purpose of defraying the expenses of a year of instruction at Lycoming College.

**THE ELISHA BENSON KLINE SCHOLARSHIP PRIZE IN MATHEMATICS**, founded by I. Clinton Kline, Sunbury, Pa., in honor of his elder brother who graduated from the College in 1868.

The interest on \$1,000 to be paid to a student or students at the discretion of the President of Lycoming College.

**THE NATIONAL METHODIST SCHOLARSHIP AWARDS**, authorized by the General Conference of The Methodist Church, are granted on the basis of finan-

cial need, promise of usefulness, leadership ability, and scholarship, to Methodist students enrolling as full-time students in an accredited Methodist college or university.

#### THE COMPETITIVE TRUSTEE SCHOLARSHIPS

A reduction in tuition of \$250.00 per semester for four years to contestants receiving the highest scores in a competitive examination.

**THE BYRON C. BRUNSTETTER SCIENCE AWARD**, established by Mrs. Frank H. Brunstetter in memory of her son.

The income on \$500 to be awarded to that senior majoring in the chemical and biological sciences who shall be judged by the Science division to have been a superior student in these sciences.

**THE CLASS OF 1907 SCHOLARSHIP** of \$25 to be awarded annually to that student at Lycoming College who shall attain high scholarship and who, in the opinion of the President and the faculty, has been outstanding in the promotion of college spirit through participation in athletics and other non-curricular college activities. This scholarship is made available through the gift of A. R. Evans.

**THE JOHN W. LONG MEMORIAL SCHOLARSHIP**, created by gifts from alumni in memory of Dr. John W. Long, who served as president of the College for a period of thirty-four years.

**THE JOAN BERRY FOUNDATION**, established by Mr. and Mrs. William Berry, in memory of Joan Berry.

The income from the Joan Berry Foundation to be used to provide financial assistance to deserving and needy students, who, in the opinion of the President of the College, are entitled to help.

**THE GRIT SCHOLARSHIP**, established by Grit Publishing Co., Williamsport, Pa.

The interest on \$25,000 to be used to provide scholarship assistance for children of employees of Grit Publishing Company, or other graduates of local high schools.

**FACULTY WIVES SCHOLARSHIP**, founded by the Faculty Wives Club of Lycoming College. An award of \$50.00 to be given to a sophomore girl during the second semester of each year. Recipient to be chosen by a committee of the Faculty Wives Club.

**THE JAYCEE WIVES CLUB GRANT-IN AID** of \$200.00 to be given to a woman student who has shown promise of making a positive contribution to the College and society. Recipient shall have completed her freshman year. She shall be chosen by a committee named by the Jaycee Woman's Club.

#### PRIZES

**THE RICH PRIZE** of \$25.00, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to the student in the Freshman Class who shall attain a required rank highest in scholarship and deportment.

**THE METZLER PRIZE** of \$10.00 for superior work in Junior English, given by the late Rev. Oliver Sterling Metzler, of the Central Pennsylvania Conference.

THE RICH PRIZES of \$10.00 and \$5.00 each, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to be awarded to the two students who at a public contest shall excel in reading the Scriptures.

THE RICH PRIZES of \$15.00 and \$10.00 each, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to be awarded to the two students who shall exceed in writing and delivering an original oration.

THE FACULTY PRIZE, awarded to that day student whose academic rank is in the upper half of the class and who, in the opinion of the faculty, has been outstanding in the promotion of school spirit through participation in school activities.

THE 1930 DART PRIZE, the interest on \$300.00 to be given to that student or students in the Art Department according to the recommendation of the Head of the Art Department.

THE KAPPA DELTA RHO FRATERNITY PRIZE of \$25.00 to that college organization which during the past year best exemplified an ideal of Kappa Delta Rho; athletic prowess, social grace, or intellectual achievement. Awarded by a majority vote of the brothers, in June.

THE WILLIAMSPORT CIVIC CHOIR PRIZE, to be awarded to that member of Lycoming Choir who in the judgment of the director, the choir members, and the faculty shall have demonstrated through his choir activity, his loyalty to the ideals of Lycoming College.

AN AWARD BY THE PENNSYLVANIA INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS to the senior judged to be the best accountant in terms of scholarship, personality, and qualities of leadership.

THE PHI ALPHA THETA SENIOR KEY, presented by the Lycoming College Chapter of Phi Alpha Theta, the national history honorary fraternity to the graduating Senior who has maintained the highest average in the field of history among those who have completed at least twenty-one semester hours in that subject.

THE PHI ALPHA THETA SOPHOMORE KEY, presented by the Lycoming College Chapter of Phi Alpha Theta, the national history honorary fraternity, to the Sophomore who has the highest average in the field of history among those who have completed the survey courses in that subject.

THE DON LINCOLN LARRABEE LAW PRIZE of \$100.00 to be awarded to that student in recognition of superior scholarship in the study of Business Law.



# CAMPUS LIFE

# *Religious Life*

The opportunity to develop and practice the Christian philosophy of life is accomplished:

through the Director of Religious Activities, who is a member of the Faculty with teaching responsibilities. He is responsible for co-ordinating the religious activities of the College and provides counseling in the area of religion to students who request his assistance. He serves as Executive Secretary to the Religious Life Council.

through the Religious Life Council, the student organization responsible for co-ordinating religious groups on the campus. It is composed of representatives from all student religious organizations, the Student Government, Faculty, Administration, and the local clergy.

through religious organizations which include the Methodist Student Movement (meeting weekly at the College Church, Pine Street Methodist Church, located at the intersection of Pine Street and Edwin Street) and the John Wesley Club. Other denominational groups include the Canterbury Club (Episcopal), the Presbyterian Fellowship, the Lutheran Student Association, the Newman Club (Roman Catholic), the Roger Williams Club (Baptist), and the United Campus Christian Fellowship (Disciples, E. U. B., and Reformed). Each of these meets regularly to provide members of its faith with the opportunity to participate in activities of common interest.

# *Campus Life*

Lycoming College accepts the responsibility of making every situation in which learning occurs constructive and positive. The College believes that learning is a continuous process that takes place, not only in the classroom, but in every college activity.

The College assumes its responsibility in this area by directing the extra-curricular educational experiences of the students in such a

way that these activities contribute to the achievement of the objectives of The College, by complementing the academic life of the campus.

The College considers one of its responsibilities to be the encouragement of as many different activities as are necessary to provide all students with the opportunity to participate constructively in this area of student life. Departmental clubs; athletics, both intercollegiate and intramural; varied interest groups such as denominational clubs, the choir, the band, etc.; social organizations; social activities; self-governing groups; and many informal associations are equally important in a well-integrated program of student activities.

Recognizing the need for skilled leadership in our world, it is the purpose of The College to utilize students in as many of the leadership positions as possible. In doing so, the students will be given the opportunity to accept greater responsibilities, and to learn as they participate.

## STUDENT GOVERNMENT

Self-government by students in certain areas of campus life is an objective achieved through the Student Government Association of Lycoming College. The Student Council is the legislative body of the Association. The officers of the Student Government Association are elected from the entire student body. Members of Student Council are elected by classes and certain other organizations.

The Student Council has been delegated authority for certain areas of campus life. The establishment of parking regulations and their enforcement is the responsibility of Student Government. Students are employed by Student Council to serve as enforcement officers. All fines collected for violations are turned over to Student Council to pay for the costs of the registration of automobiles and the enforcement officers.

A Student Court has been established by Student Council to hear cases involving the violation of the parking regulations. This court is also empowered to consider cases referred to it by the Student Union Court or to hear cases on appeal of students from the Student Union Court.

The Student Court is composed of four students appointed by the President of the Student Council with the approval of the Council and the Dean of Students.

A number of standing committees of Student Council are concerned with specific areas of student life. The Social Calendar-Concessions Committee is responsible for approving the scheduling of all social activities by student organizations, and awards concessions to

student groups for "fund raising" purposes upon request. The Dining Room Committee is responsible for the dress regulations in the Dining Room and advises the manager in menu planning and other areas of concern.

Homecoming, Winter Week-end and Spring Week-end are major social activities under the sponsorship of Student Council. Each of these week-ends features a major dance with a "name band," along with a full program of activities.

Other governing groups on the campus are the Inter-Fraternity Council, the Men's Dormitory Council, the Women's Dormitory Council, and Associated Women Students. Each operates under limited authority in situations related to its specific area.

## SOCIAL AND CULTURAL INFLUENCES

Lycoming aims to give its students every possible opportunity to become familiar with the best social customs and usages. The development of poise and ease in handling oneself in social situations is a major objective in the program of The College. These experiences are provided through the dining room, coffees and receptions, and other social functions.

The Artist and Lecture Series presents several performances of the best obtainable talent in music, drama, the dance, and lecture. The Series is presented to provide wider cultural experiences than might normally be available to the student. Although the Series is entertaining, its prime objective is to acquaint the student with the arts and the humanities as they are performed on a professional level.

## COLLEGE PUBLICATIONS AND COMMUNICATIONS

There are several official college publications. Each is devoted to a specific area of college life, and is designed to communicate to selected groups of the college constituency.

*The Bell*, official student newspaper, is published weekly, and is devoted to interests of the student body, reporting current campus events.

*The Arrow*, college yearbook, is published in May and presents a record of student life during the current academic year.

*The Guidepost*, published annually by Student Government, is a student handbook of regulations and miscellaneous information. It is designed primarily for new students and is distributed to them prior to their arrival on the campus.

The Alumni Office publishes *The Alumni Bulletin* three times yearly. It is designed to keep the alumni informed of current happenings at the college and on alumni activities. *The Newsletter* is published periodically, between issues of the *Bulletin*.

*The Student Bulletin* and *The Faculty Bulletin* are published weekly by the office of the Dean of the College. *The Lycoming Library Student Handbook* is published by the Library every September.

*The Campus Radio Station*, WLCR, broadcasts nightly from 5:00 p. m. until midnight on a wired circuit to Wesley Hall, Rich Hall, both new dormitories, and the Fraternity Residence Hall. The station broadcasts study music, news commentary, sports results, and special programs of interest to the student body.

## CAMPUS CLUBS AND ORGANIZATIONS

A variety of organizations on the campus provides opportunities for social and intellectual growth. These groups are organized and conducted by students in cooperation with faculty sponsors or advisers.

Some of the groups are: The International Relations Club, which is the campus focus for study and discussion of world affairs; the Student Education Association of Pennsylvania, which gives prospective teachers current information on the teaching field and an insight into the problems of education; the Drama Club, which stages a variety of dramatic productions including their own original work; The Varsity Club, composed of lettermen, promotes college spirit in sports; the Pre-Medical Society for pre-professional students in the sciences; the Business Club for students majoring in business administration. The Philosophy Society provides an outlet for all students interested in the informal discussion of philosophic concepts; the French, German, Russian and Spanish Clubs study the language and the life and culture of the countries; and the Associated Women Students sponsor parties and teas for students, faculty and parents.

## FRATERNITIES

Five Greek letter groups on the campus provide a means of bringing to men students the advantages of national fraternal organization as well as group housing. They include the Psi Chapter of Kappa Delta Rho, Beta Lambda Chapter of Sigma Pi, Iota Beta Zeta Chapter of Lambda Chi Alpha, Epsilon Beta Chapter of Theta Chi, and the Nu Chapter of Alpha Gamma Upsilon.

The Inter-Fraternity Council coordinates the activities of the fraternities.

# College Honors

## THE CHIEFTAIN AWARD

*The Chieftain Award* is given to that senior who, in the opinion of the students and faculty, has contributed the most to Lycoming College through support of school activities; who has a pleasing personality and the ability to get along with his co-workers, both students and faculty; who has evidenced a good moral code; and whose academic rank is in the upper half of his class.

## THE SACHEM

*The Sachem* is an active society of superior junior and senior scholars. Its membership is limited to students who have completed at least four full semesters of academic work at Lycoming College. Election to membership is held annually in September by the members of the society and its faculty advisers. Newly elected members are chosen from among the top-ranking 3% of the junior class and 6% of the senior class.

## GOLD KEY AND BLUE KEY

*Gold Key* and *Blue Key* are freshman scholastic honor societies for women and men respectively. Election to these societies is dependent upon the student's earning a grade-point average of 3.33 or above during the first semester of the freshman year. Under certain conditions, second semester freshmen and sophomores are also eligible for election.

## PHI ALPHA THETA

This national honorary society is for those students interested in history. To be eligible, students must have completed, with a grade-point average of at least 3.1, a minimum of 15 semester hours in history. For two-thirds of the remainder of the work there must be a grade-point average of at least 3.0. The local chapter is Zeta Zeta.

Students interested in history who do not meet these standards are eligible for associate membership.

## ALPHA PSI OMEGA

This national honorary society is for dramatic students. Worthy students are elected to the fraternity as a reward for their efforts in participating in the plays staged by the Lycoming College Players.

## IRUSKA HONOR SOCIETY

No more than seven juniors are selected annually for membership in Iruska, which honors juniors active in extra-curricular activities, who best represent the spirit of campus leadership at Lycoming College, and whose academic rank is in the upper half of their class.

## WHO'S WHO IN AMERICAN COLLEGES AND UNIVERSITIES

The students elect members to *Who's Who*. The Senior members are honored by having their names appear in the annual issue of the national publication, *Who's Who Among Students in American Colleges and Universities*. Election is on the basis of academic rank in the upper half of the class, personal character, service to The College, and outstanding leadership in extra-curricular activities.

# College Facilities

The facilities at Lycoming College are excellent. It has its "Old Main" which dates back to pre-Civil War days. However, the majority of the buildings and all the dormitories have been erected since World War II. The College has followed a Georgian Colonial style of architecture in its post-war development.

## ACADEMIC

*THE JOHN W. LONG LIBRARY:* Named in honor of the late Rev. John W. Long, President of the Institution from 1921 to 1955. It was officially opened in October, 1951. The Library contains approximately 51,000 volumes, along with special collections, audio-visual rooms and a small chapel.

*THE FINE ARTS BUILDING:* Converted from a residential home, this building contains the studios and individual practice rooms for the students enrolled in art and music curricula.

*MEMORIAL HALL:* Erected in 1947, Memorial Hall was purchased from the U. S. Government. It is used for classrooms and faculty offices.

*BRADLEY HALL:* Completed in 1895 and named in honor of the Hon. Thomas Bradley of Philadelphia, it housed the library of The College for many years. Bradley Hall is now used for classrooms and faculty offices.

*THE SCIENCE BUILDING:* Completed in 1956, it is exclusively devoted to scientific studies in the fields of chemistry, physics, biology and geology. Lecture rooms, laboratories, along with appropriate faculty offices are located in the Science Building. In addition, a radio-active isotope laboratory, used for instruction in nuclear technology as related to the natural sciences, is found here.

## ADMINISTRATIVE

*OLD MAIN:* Completed by various stages from 1839 to 1869, this is the original building of The College. As the administrative center it contains the offices of the President, the Dean of the College, the Registrar, the Treasurer, the Director of Admissions and others.

*EVELAND HALL:* Completed in 1912 and at one time the pre-ministerial dormitory, it was named in honor of Bishop W. P. Eveland, President of Williamsport Dickinson Seminary from 1905 to 1912. No longer used for residential purposes, Eveland Hall now contains faculty offices and the Civil War Museum.

## RECREATIONAL

*THE STUDENT ACTIVITIES BUILDING:* The student center, completed in 1959, contains dining facilities for 800, Burchfield Lounge, a recreation area, game room, music room, book store and post office. The Board Room, offices of the Dean of Students and Dean of Women, and offices of various student organizations are on the second floor.

*GYMNASIUM:* This is the athletic center of The College, housing basketball and other courts, swimming pool, bowling alleys, and the administrative offices of the Physical Education Department. Begun in 1923, the present plant will soon be supplemented by new facilities off campus.

## RESIDENTIAL

*PRESIDENT'S RESIDENCE:* Located on the northwest corner of the campus, this house became the President's home in 1940.

*RICH HALL:* Named in honor of the Rich family of Woolrich, Pennsylvania, this residence currently accommodates 126 women. The College infirmary and the Sara J. Walter lounge for non-resident women are located on the ground floor. Completed in 1948, it marked the first step in the post-war expansion of the College.

*WOMEN'S DORMITORY:* Completed in 1962, this residence accommodates 126 women.

*WESLEY HALL:* The oldest men's residence currently in use was completed in 1956. It accommodates 144 students and includes lounges and a recreation area. This building was named in honor of the founder of Methodism.

*FRATERNITY RESIDENCE:* Completed in 1962, the five chapters of the national fraternities are located in this building. The fraternity units are distinct and self-contained and provide, in addition to dormitory facilities for the brothers, lounges and chapter rooms for each group. The fraternities share with the campus a large social area on the ground floor.

*MEN'S DORMITORY:* Also completed in 1962, this residence accommodates 154 students.

# *Programs and Rules*

## ORIENTATION

A period preceding the opening of the Fall Term is set aside to provide freshmen and transfer students with assistance in making the adjustment to Lycoming College. A special program consisting of placement testing, interviews with faculty counselors, general orientation meetings, formal convocation, registration, and social and recreational activity is prepared. Faculty and selected upperclassmen are present to assist the new student during this period. All new students are required to participate in this program. The schedule is mailed to each freshman and transfer student during the summer.

During the first Fall Semester a new student is on campus, he must complete a course in Orientation, which is required for graduation. This course, meeting weekly, for 6 weeks, covers the various aspects of adjustment to college, study skills, attitudes, and motivation.

## FRESHMAN CUSTOMS

Certain traditions and customs have been established for freshmen. They are designed to help the freshmen become acquainted with the history and customs of Lycoming College. Each regulation has a purpose in the development of the individual into a class group which is a part of the total College community. The customs freshmen will be expected to observe are printed in the *Guidepost*.

## INTERCOLLEGIATE SPORTS

The College offers an attractive program of intercollegiate athletics and encourages wide participation by its students. It is a member of the National Collegiate Athletic Association, the National Athletic Intercollegiate Association, and the Northern Division of the Middle Atlantic Conference. Lycoming annually meets some of the top-ranking, small college teams in the East in athletic competition. Contests are scheduled with other colleges in football, soccer, basketball, wrestling, swimming, baseball, tennis, golf, and track.

## INTRAMURAL ATHLETICS

An extensive and diversified program of intramural athletic competition affords opportunity for every student to participate in one or more sports of his own choosing.

Sports for men include touch football, basketball, volleyball, bowling, badminton, table tennis, tennis, softball, golf, wrestling, swimming, horseshoes, track and field.

Sports for women include competition in basketball, volleyball, bowling, badminton, table tennis, tennis, softball, swimming, field hockey, archery, and rhythmical activities. Field days are arranged with WAA groups of other colleges and universities during the school year.

## COUNSELING PROGRAM

An advantage of a small college is the rich experience gained by the close association of students and faculty. In addition to this valuable personal relationship, which affords students the opportunity to discuss various problems with their instructors, Lycoming has a well-rounded counseling program for its students. Under the direction of the Dean of the College, this program includes areas as represented by the Dean of Students, the Dean of Women, and Faculty Advisers.

The program begins with a personal interview between the Director of Admissions and the candidate for admission. These interviews are sufficient in length to obtain a picture of the student, his background, and his plans for the future. When the student enters the College as a Freshman, he is assigned to a faculty adviser. The new student will meet with this adviser regularly during the year. The Freshman will find his adviser eager to guide and assist in the many problems that confront the new college student. Certain tests will be made available to the students for diagnostic purposes and to assist in advisement. These tests will be offered on a referral basis to those students for whom the need is obvious. Additional counseling is available to the student in the area of academic, personal and emotional adjustment.

## PLACEMENT SERVICE

The Placement Bureau maintains a register listing the abilities and major interests of students and recent alumni. Literature from businesses and industrial associations is kept available. Consultations with the Placement Director assist students toward wise selection of a profession. Interviews are then scheduled at which students meet and

confer with representatives from companies in which they are interested. Lycoming graduates are usually placed before commencement.

There are many diversified businesses in Williamsport. These firms give students at Lycoming splendid opportunities for visits, tours, and conferences. They also afford the student body a variety of part-time jobs during each college session. The Placement Bureau serves as a clearinghouse for part-time employment and can usually find work for every student needing it.

## PROVISIONS FOR VETERANS

Lycoming is fully approved for the educational program for Veterans under Federal Public Laws 550, 634, and 894.

## RESIDENCE

All single students who do not reside at home are required to live in The College residence halls and eat their meals in The College dining room. Special diets cannot be provided. Some male students may be assigned to private homes because of a shortage of space in the residence halls. Exceptions to these regulations can be approved only for the purpose of working for room and/or board or to live with relatives. Requests for exceptions must be submitted in writing to the Dean of Students or the Dean of Women. The petition must include the name of the householder and the address where the student wishes to live.

Members and pledges of social fraternities are required to live in the Fraternity Residence when space is available. All fraternity members eat their meals in The College dining room.

Residents furnish their own linens, towels, blankets, bedspreads, and wastebaskets. Drapes are provided in all women's residences.

Linens, towels and blankets may be rented from the Merit Laundry & Dry Cleaning Co. Information is sent to all resident students concerning this service following their assignment to a room.

## WOMEN'S RESIDENCE

Resident women students live either in Rich Hall, Rich House, or the new dormitory for women. Rich House is the honor house for upperclass women. Rich Hall, which was built in 1948, will accommodate 126 women, while the new dormitory will accommodate 126 upperclass women students. Rooms are arranged in suites of two rooms with two or three students living in each room. Each suite has private bath facilities.

Also located in Rich Hall are the Infirmary, recreation room and television room. Laundry facilities are located in the new women's dormitory. Lounges, telephone switchboard, and the office for the Head Resident are all located on the first floor of Rich Hall.

All resident women students are members of the Resident Women's Association of Lycoming College. They establish standards and regulations for community living and endeavor to assist each new student in her adjustment to living in a college dormitory. All dormitory activities are under the supervision of the Dean of Women.

## MEN'S RESIDENCE

All resident men live in Wesley Hall, the Fraternity Residence, and the new dormitory for men. Upperclassmen have priority in assignment of all rooms. Rooms for freshmen are assigned according to the date the room reservation fee of \$50.00 is paid following notification of admission.

All rooms are for double occupancy. Rooms are furnished with a single bed, pillow, a desk, desk chair, and a dresser for each occupant. In Wesley Hall and the new dormitory the furniture is built into the room, except for the bed, and a light is provided over the desk. Window shades are provided in all rooms. It is advisable to wait until after arriving on the campus to purchase drapes and bed-spreads, if desired.

## DISCIPLINE

The College expects all of its students to accept the responsibility required of citizens in a free democratic society. The rules and regulations of The College are designed to protect the rights of every member of the community against encroachment by individuals. The limitations which are imposed upon the activities of individuals are established for the common good of the entire college community.

Students who are unable to demonstrate that they can accept this responsibility or who are antagonistic to the spirit and general purpose of The College, or who fail to abide by the regulations established by The College may be dismissed or requested to leave The College at any time during the academic year.

## REGULATIONS

Certain regulations have been established by The College. In addition to those published here, specific rules are furnished each student upon matriculation, or are published in the *Guidepost*.

Announcements during the academic year may amend or supplement the catalogue regulations.

## ALCOHOLIC BEVERAGES

The position of Lycoming College regarding the use of alcoholic beverages by its campus constituency is based upon the official position of The Methodist Church, which is stated in Paragraph 2022 of the Discipline of The Methodist Church, 1960 edition, and upon the premise that *any* activity not contributing constructively to the development of a mature citizen in the college community is inconsistent with the aims and ideals of The College.

Specific rules and regulations regarding the use of alcoholic beverages are based on the above statement and are consistent with the statutes of the Commonwealth of Pennsylvania in regard to the purchase and use of alcoholic beverages by persons under 21 years of age.

The following situations may result in dismissal from The College or other disciplinary action:

1. The possession and/or use of alcoholic beverages inside any College building, or on College property, including the storage of such beverages in automobiles on the campus.
2. The use of alcoholic beverages by women, regardless of age, while they are resident students of The College and are not under the chaperonage of their parents.
3. Returning to the campus in an intoxicated condition resulting in an inability to control behavior so that it is acceptable at all times.
4. The illegal purchase or consumption of alcoholic beverages by male students of the college under 21 years of age.
5. The provision of alcoholic beverages by legally qualified male student purchasers to students under 21 years of age.
6. The possession and/or use of alcoholic beverages at any social function sponsored by The College or any organization of students, regardless of location.
7. The rental and/or use of non-college facilities where alcoholic beverages are present and/or are consumed by the students present. This includes party rooms, cabin parties, picnics, etc.
8. Any situation resulting in behavior reflecting discredit upon The College which has resulted from the consumption of alcoholic beverages. This includes public intoxication, situations where police are involved, or where public notice is attracted and reported to College officials.

9. Any situation not covered specifically under the above regulations which indicates that the students are deliberately seeking to avoid the responsibility for the violation of regulations by individuals or groups.
10. Any violation of the Liquor Control Act, as amended, of the Commonwealth of Pennsylvania.

These rules and regulations have been formulated for the protection of the reputation and the well-being of The College community. Their observance is expected of every student of Lycoming College. It is assumed that a willingness to observe these regulations is implicit in the acceptance of membership in the Lycoming College community.

## AUTOMOBILES

All resident male students classified as freshmen or sophomores, and *all* those resident male students on academic probation may not operate or have in their possession in Williamsport, or the surrounding area, motor vehicles of any nature. No resident women students will be permitted to operate or have in their possession in Williamsport or the surrounding area, a motor vehicle of any nature. Exceptions for students needing automobiles for employment purposes may be granted only upon written petition to the Dean of Students.

Parking privileges on the campus are reserved for students, faculty, and staff members who have registered their automobiles and been issued parking stickers for their cars.

## FIREARMS

No resident student may keep firearms or ammunition in the place of his residence or stored in an automobile on the campus. Facilities for storing firearms for hunting purposes are available in the Assistant Dean of Men's Office in Wesley Hall.

## GAMBLING

The use of money or stakes representing money in card games or other games is prohibited while a student is enrolled at The College.

## DORMITORIES

Dormitory students are responsible for the furnishings and the condition of their rooms. Inspection of rooms and their contents are

made periodically. Charges will be assessed for damages to rooms and furniture.

Dormitory students are expected to vacate their rooms during the vacation periods when the dormitories are closed and no later than 24 hours following their last examinations except for graduating seniors.

Regulations regarding quiet hours for study are established by the appropriate Dorm Councils and are published in the *Guidepost* and on the dormitory bulletin boards.

## MONEY AND VALUABLES

The College accepts no responsibility for loss of valuables due to theft, fire, or other causes. Students may deposit money in the Treasurer's Office. Withdrawals are permitted on Friday afternoons, only.

## MARRIAGE

Students who change their marital status are requested to notify the Dean of Men or the Dean of Women prior to their marriage.

Married students may not live in The College dormitories. If a woman student marries while a resident student, she must vacate her room in the residence hall immediately.

# *Health Services*

## **MEDICAL HISTORY AND PHYSICAL EXAMINATION**

Each student entering The College is required to submit a medical history record and a physical examination form prior to arriving on the campus. The parent or guardian of each student under 21 years of age must sign the health record which authorizes the College health authorities to give emergency medical treatment according to good medical practice. In the event an operation or other treatment is required for a serious accident or illness, the College Physician will always secure prior parental consent if the circumstances permit.

Exemption from participation in physical activity associated with Physical Education may be granted only by the College Physician. This exemption is based upon the medical history, report of the student's physician, and a physical examination by the College Physician.

## **INFIRMARY SERVICE**

The College maintains an Infirmary which is staffed on a seven-day week, twenty-four-hour day basis with Registered Nurses. The College Physician is on call when needed. Normal medical treatment by the Health Service Staff at the College Infirmary is free of charge. However, special medications, x-rays, surgery, care of major accidents, immunizations, examinations for glasses, physician's calls other than in the Infirmary, and special nursing service, etc., are not included in the Infirmary service which is provided free.

## **ACCIDENT AND SICKNESS INSURANCE**

All resident students are required to purchase the Accident and Sickness Group Insurance plan of The College for the academic year, unless they can present evidence that they are covered under some other health insurance program. Non-resident students may participate in the College Group Insurance Plan on a voluntary basis. If a student becomes ineligible under another plan because of age, he must enter the College Program in the semester in which he loses his other coverage. The Insurance Plan will also be available for a twelve-months' coverage on a voluntary basis for all students. Information concerning the Plan and its benefits will be sent to all students during the summer.



# COURSES OF INSTRUCTION

# Courses

## DIVISIONS

HUMANITIES: Eric V. Sandin, *Director*

Art, English, French, German, Greek, Music, Philosophy, Religion, Russian, Spanish, Speech.

SOCIAL SCIENCES: Loring B. Priest, *Director*

History, Political Science, Psychology, Sociology and Anthropology.

NATURAL SCIENCES: George S. Shortess, *Director*

Biology, Chemistry, Geology, Mathematics, Physical Education, Physics.

BUSINESS ADMINISTRATION: Robert W. Rabold, *Director*

Business Administration, Economics.

## ART

*Associate Professor* CHANDLER

*Assistant Professor* JAMES

The major in art consists of thirty hours of which nine must be in art theory.

131. INTRODUCTION TO ART. A consideration of the physical basis of the visual arts: the materials and techniques of architecture, sculpture, painting, and the graphic arts.

Three hours credit.

141-142. DESIGN. An introduction to the basic principles of design. Special emphasis will be given to developing the student's creative ability by means of problems in two-dimensional and three-dimensional design involving line, form, tone, volume, and space. Considerable emphasis will be placed on color. Six class periods each week.

Three hours credit each semester.

143-144. DRAWING I. The course is designed to acquaint the student with various drawing media, as he creates drawings of still-life, landscape and figure subjects. Six class periods each week.

Three hours credit each semester.

201-202. HISTORY OF ART. The development of the visual arts from Prehistoric days to the present. First semester, Prehistoric to the Italian Renaissance; second semester, the Italian Renaissance to contemporary art.

Three hours credit each semester.

243-244. DRAWING II. Continuation of Art 143-144. Six class periods each week.

Three hours credit each semester.

245-246. PAINTING I. The purpose of this course is to acquaint the student with various painting media, such as oil, watercolor, and gouache. The student will be encouraged to create and develop his own ideas in his search for a suitable technique and method of expressing himself. Six class periods each week.

Three hours credit each semester.

303-304. GREAT PAINTERS. A detailed study of the works of great painters such as Giotto, Botticelli, Raphael, Titian, Tintoretto, El Greco, Durer, Velasquez, Rembrandt, Watteau, Goya, Renoir, Van Gogh, and Picasso.

Three hours credit each semester.

308. MEDIEVAL ART. A study of visual art forms of the medieval period, with particular stress on Romanesque and Gothic churches. Assigned readings, films, slides, and lectures.

Three hours credit.

313-314. COMPOSITION. The purpose of this course is to acquaint the student with the basic fundamentals which govern the arrangement, or placement, of the various elements which form a work of art.

Three hours credit each semester.

341-342. APPLIED DESIGN. The contemporary spirit will be fostered as the student engages in various crafts, such as blockprinting, gesso, and silk-screen printing. Six class periods each week.

Three hours credit each semester.

345-346. PAINTING II. A continuation of Art 245-246. Six class periods each week.

Three hours credit each semester.

407. AMERICAN ART. The visual arts in American life from the seventeenth century to the present, with special emphasis on Pennsylvania's contribution to the development of American Art. Slides and films will be used to illustrate the lectures. Visits to the local museum and other places of art interest in the area. Three class periods each week.

Three hours credit.

409. CONTEMPORARY ART. The contemporary idiom in the visual arts. Divergent trends as revealed by a study of some of the well-known contemporary artists, their lives, and works. Emphasis on the men who have made a distinct contribution to the origin and development of new ideas in the field of art today. Films and slides will be used to illustrate the lectures. Three class periods each week.

Three hours credit.

445-446. PAINTING III. Continuation of Art 345-346. Six class periods each week.

Three hours credit each semester.

## BIOLOGY

*Professors* SHORTESS, HOWE, AND MOBBERLEY

*Assistant Professors* BLOCK AND WILCOX

*Instructor* STEBBINS

101. GENERAL BIOLOGY (Botany). An introduction to the principles of biology, including a systemic study of characteristic types of plants. Two hours lecture and recitation and two two-hour laboratory periods each week.

Four hours credit.

102. GENERAL BIOLOGY (Zoology). An introduction to the principles of biology, including a systemic study of characteristic types of plants. Two hours lecture and recitation and two two-hour laboratory periods each week.

Four hours credit.

103. MICROBIOLOGY. This course emphasizes the study of micro-organisms that affect mankind, especially those that cause disease. Laboratory exercises deal with elementary bacteriological techniques and plant and animal parasites. Three hours lecture and recitation and one two-hour laboratory period each week.

Four hours credit.

105. ANATOMY AND PHYSIOLOGY. A basic study is made of the skeletal, muscular, circulatory, digestive, nervous, excretory, and reproductive systems of the human body and its functions. Three hours class and four hours laboratory each week.

Five hours credit.

201. COMPARATIVE VERTEBRATE ANATOMY. Deals with dissections of representative vertebrates. Two hours lecture and recitation and two two-hour laboratory periods each week.

Prerequisite, Biology 101-102.

Four hours credit.

207. PLANT MORPHOLOGY. A detailed study of the morphology and anatomy of representative species from the algae to seed plants. Some attention is also given to local flora. Two hours lecture and four hours laboratory each week.

Prerequisite, Biology 101-102.

Four hours credit.

301. PHYSIOLOGY. A study of the physiological processes of the human body. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 201.

Four hours credit.

302. VERTEBRATE EMBRYOLOGY. The study of the development of an amphibian, the chick, and a mammal, from fertilization of the egg to fully formed embryo. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 101-102.

Four hours credit.

308. PLANT PHYSIOLOGY. A study of the physiological processes of plants. Two hours lecture and four hours laboratory each week.

Prerequisite, Biology 101-102, 207.

Four hours credit.

401. HISTOLOGY. The study of cells and tissues of the human body. Two hours lecture and two two-hour laboratory periods each week.

Prerequisite, Biology 201.

Four hours credit.

402. GENETICS. A study of the principles of inheritance and their application to human biology and to the improvement of plants and animals.

Prerequisite, Biology 101-102.

Three or four hours credit.

415-416. STUDIES IN BIOLOGY. Conferences, research projects, and written reports on selected topics designed to extend the student's knowledge in chosen fields of biology. Limited to qualified majors.

Four hours credit each semester.

## BUSINESS ADMINISTRATION

*Associate Professor* HOLLENBACK

*Assistant Professors* BRICKER, KING, AND RICHMOND

*Lecturer* LARRABEE

*Part-time Instructors* CONEY AND WEHR

101-102. ELEMENTARY ACCOUNTING. An introductory course in which no prior knowledge of accounting is assumed. The course introduces the theory of the balance sheet, problems of classification and interpretation of accounts, preparation of financial statements, and accounting for single proprietorship, partnership, and corporation. Manufacturing accounts, taxes, and cost accounting are also presented. To be scheduled only by students who plan to major in accounting. Two hours lecture and one two-hour laboratory period each week.

Three hours credit each semester.

215-216. INTERMEDIATE ACCOUNTING. This course carries the fundamentals of accounting presented in Elementary Accounting into the advanced field. It presents an intensive study of accounting statements with a consideration of special analytical accounting procedures and an emphasis upon corporation stock and bond accounts.

Prerequisite, Business 101-102.

Three hours credit each semester.

302. BUSINESS LAW I. Lecture course and analysis of cases on the nature, sources and fundamentals of the law relating to contracts, agency, negotiable instruments.

Four hours credit.

303. BUSINESS LAW II. Lecture course and analysis of cases on the fundamentals of the law relating to partnerships, corporations, sales, guaranty, and suretyship, insurance, real property and estate planning.

Four hours credit.

304. CREDITS AND COLLECTIONS. The fundamentals of credit, investigation and analysis of risks, collection plans and policies. The organization of credit and collection agencies is studied.

Prerequisite, Business 101-102.

Three hours credit.

305. MARKETING. Retail, wholesale, and manufacturing trade channels; types of middlemen and functions; cooperative associations; marketing functions of policies of retailer, wholesaler and manufacturer; produce exchange and other markets.

Prerequisite, six hours in Business Administration.

Three hours credit.

306. INDUSTRIAL ORGANIZATION AND MANAGEMENT. A study of the basic principles of scientific management and business operations with which the individual entering a modern business enterprise should be familiar, including the development of a new business, the organization and function of the various departments, and the control of such factors as sales, costs, materials, and labor.

Three hours credit.

308. INVESTMENTS. This course deals with the leading types of investments, tests, investment programs, financial reports, forecasting methods and agencies, stock exchanges, brokerage houses, methods of buying and selling securities, etc. Laboratory work and case studies.

Prerequisite, Business 101-102.

Three hours credit.

311-312. COST ACCOUNTING. Methods of accounting for material, labor and factory overhead expenses consumed in manufacturing are introduced. Practice sets are used to illustrate job order and process costing. The recent development of the use of standard costs is introduced and illustrated through problems and a practice set. The application of cost principles to the distributive and administrative functions of a business is also presented.

Prerequisites, Business 215-216, or consent of instructor.

Three hours credit each semester.

313-314. TAX ACCOUNTING. Federal Income Tax Law and Accounting. An analysis of the provisions of the Internal Revenue Code that relate to income taxes of individuals, partnerships, trusts, estates and corporations with discussion and demonstration of the application of the law and the regulations to accounting procedures in the preparation of tax returns. An extensive series of practical problems are considered, involving determination of income and deductions, capital gains and losses, computation and payment of taxes through withholding at the source and declarations.

Prerequisites, Business 101-102, and consent of instructor.

Three hours credit each semester.

337. CORPORATE FINANCE. This course deals with the financing of business; the sources of capital and financial agencies such as note brokers, mortgage banks, investment bankers, commercial banks and commercial paper houses. An analysis of business promotions, reorganizations, mergers and consolidations, and the manner in which they are financed.

Prerequisite, Business 101-102.

Three hours credit.

341-342. PRINCIPLES OF RETAILING. Survey of the field of retailing; history and development of different types of stores, advantages and disadvantages of each type; store location, layout, and organizations; duties and functions of the different departments; cooperative movements in retailing; selection, training, and supervision of employees.

Three hours credit each semester.

345. ADVERTISING AND SALES PROMOTION. Fundamental principles of the science of advertising; advertising media, copy, appeals, layouts, type, illustration, art, psychology; and fundamental principles of sales promotion and coordination of all forms within the organization.

Three hours credit.

346. SALESMANSHIP. A study of the place of selling in our economy, past and present; its contributions, costs and criticisms, as well as a study of the art of personal selling on all levels of the distribution process.

Three hours credit.

351. BUSINESS STATISTICS. An introduction to the elementary theory of statistical analysis with special reference to business and economic applications. Two hours lecture and two hours laboratory each week.

Prerequisite, junior standing.

Three hours credit.

402. PROPERTY INSURANCE. The fundamentals of fire, marine insurance. Fidelity and surety bonds.

Three hours credit.

403. LIFE INSURANCE. The fundamentals of life insurance, and annuities. Health, accident, casualty and social insurance.

Three hours credit.

415-416. STUDIES IN BUSINESS ADMINISTRATION. Designed primarily, but not exclusively, for the student who desires to pursue graduate training in Business Administration. Under the supervision and guidance of the instructor, the student will write a paper on some specific business problem, integrating his knowledge of the disciplines, using acceptable research techniques, and demonstrating his proficiency, not only in discipline, but in composition. During the latter phases of composition, the student will present his paper and defend its conclusions.

Prerequisite, Business Administration major with at least 18 semester hours in Business Administration and consent of the instructor.

Three hours credit each semester.

423-424. AUDITING. This course deals with the science of verifying, analyzing, and interpreting accounts and reports. An audit project is presented, solved and interpreted throughout the year.

Prerequisite, Business 311-312.

Three hours credit each semester.

425. C. P. A. PROBLEMS. This course is intended to meet the needs of those interested in professional accounting and preparation for Certified Public Accountants Examination. The problems presented throughout the course are taken from past C. P. A. and American Institute of Accountants Examinations and require in their solution a thorough knowledge of the subject matter of prerequisite courses taken.

Prerequisite, Business 311-312.

Three hours credit.

426. GOVERNMENTAL ACCOUNTING. Accounting procedures used by municipal, state and federal governments and others using fund accounting; a study of fund journal entries, ledgers, operating statements.

Prerequisite, Business 215-216.

Three hours credit.

428. PERSONNEL MANAGEMENT. Organization and responsibilities of the personnel department: selection, training, welfare work, methods of payment, incentives for better work, morale, personal problems connected with industry and merchandising.

Three hours credit.

431. ADVANCED ACCOUNTING. This course offers an extended treatment of the functions and applications of accounting for those who wish additional accounting background in preparation for entrance into the accounting profession. It treats such special problems as partnerships and joint venture accounting; installment and consignment sales; branch and home office accounting; corporate combinations; and the preparation of consolidated statements.

Prerequisite, Business 215-216.

Three hours credit.

441. RETAIL BUYING AND MERCHANDISING. Problems of merchandising. Responsibilities of the buyer; what, when, where, and how to buy; types of merchandise, pricing, leased departments, sales planning, and merchandise control; importance of volume, mark-up, mark-down, and turn-over; emphasis on making a profit; actual store problems.

Prerequisite or concurrent, Business 341-342.

Three hours credit.

444. MARKETING MANAGEMENT. The role of the marketing executive in our society, including an analytical approach to specific marketing problems confronting the businessman. Emphasis is placed on the application of marketing and economic theory to decision-making in the areas of product choice,

promotion, location, choice of channels, and marketing strategy. Collateral reading and cases.

Prerequisite, Business 305.

Three hours credit.

**445-446. RETAIL PROBLEMS.** A survey of current issues confronting retail management and examination of the management, merchandising and publicity activities of retail stores. Current trends and differences in store practices are stressed; emphasis is given to governmental regulations, labor and employee-employer relations. The case method is used extensively in the development of the course.

Prerequisite, Business 341-342.

Three hours credit each semester.

## CHEMISTRY

*Professor RADSPINNER*

*Associate Professor HUMMER*

*Assistant Professors FREDERICK AND JAMISON*

For a major in Chemistry, a student must complete the four basic courses: Chemistry 101-102, General Chemistry, Chemistry 202-203, Analytical Chemistry, Chemistry 301-302, Organic Chemistry, and Chemistry 401-402, Physical Chemistry. In addition, Mathematics through Integral Calculus, and Physics 101-102 are required.

**101-102. GENERAL CHEMISTRY.** A systematic study of the fundamental principles of chemistry. Atomic and molecular structure are studied and related to the properties of the more important elements and their compounds. Quantitative relationships are stressed through solving problems and performing laboratory experiments. Approximately half of the second semester is devoted to qualitative analysis. Three hours lecture, one hour recitation, and one three-hour laboratory period each week.

Five hours credit each semester.

**103. CHEMISTRY FOR NURSES.** A brief survey of general chemistry for student nurses. With emphasis on organic and biochemistry, the course is designed to prepare the student for an understanding of the application of chemistry to the nursing profession. Three hours lecture and one two-hour laboratory period each week.

Four hours credit.

**202-203. QUANTITATIVE ANALYSIS.** A study of the fundamental methods of elementary gravimetric and volumetric, and instrumental analysis together with practice in laboratory techniques and calculations of these methods. Two hours lecture and two three-hour laboratory periods each week.

Four hours credit each semester.

301-302. ORGANIC CHEMISTRY. A systematic study of the compounds of carbon including both aliphatic and aromatic series. The laboratory work introduces the student to simple fundamental methods of organic synthesis, isolation, and analysis. Three hours lecture and one four-hour laboratory period each week.

Four hours credit each semester.

401-402. PHYSICAL CHEMISTRY. A study of the fundamental principles of theoretical chemistry and their applications. The laboratory work includes techniques in physico-chemical measurements. Three hours lecture and one four-hour laboratory period each week.

Prerequisite, one year of calculus.

Four hours credit each semester.

405. BIOCHEMISTRY. A general course dealing with the chemical composition and metabolic processes and significance of carbohydrates, lipids, proteins, and biocatalysts in living tissues. Three hours lecture and one four-hour laboratory period each week.

Prerequisites, Chemistry 301-302, Biology 101-102.

Four hours credit.

411-412. INTRODUCTION TO RESEARCH. An investigation of a selected problem of limited scope, involving conferences, library and laboratory work. Limited to qualified majors.

Prerequisite, consent of instructor.

Three hours credit each semester.

## ECONOMICS

*Professor RABOLD*

*Assistant Professors BRICKER, FAIR, AND KYTE*

The major in economics consists of twenty-four semester hours.

201-202. PRINCIPLES OF ECONOMICS. A study of the organization of the economic system and principles and problems that govern economic activity. Major topics covered include: production, consumption, exchange, distribution, risks of enterprise, banking, international trade, profits, rent, wages, and social reforms.

Three hours credit each semester.

301. ECONOMIC GEOGRAPHY. A general survey course, showing the relation of physical environment to man's economic and cultural achievements. Emphasis is placed on the part the United States plays in the occupations of man, as contrasted with other producing areas of the world.

Four hours credit.

307-308. **INTERMEDIATE ECONOMIC ANALYSIS.** Analysis of contemporary value and national income theory. First semester covers the theory of commodity and factor price determination, market structures and behavior, theory of the firm, and distributive theory. Second semester is devoted to macroeconomics, investment, and the use of macroeconomics as a tool of analysis of growth and other problems of economic welfare.

Prerequisite, Economics 201-202.

Three hours credit each semester.

311-312. **COMPARATIVE ECONOMIC SYSTEMS.** The economic development and comparative analysis of various economic systems including Capitalism, Socialism, Communism and Facism.

Prerequisite, Economics 201-202 or consent of the instructor.

Three hours credit each semester.

313. **LABOR PROBLEMS.** A study of the American labor movement and the position of the worker in modern industrial society. Unemployment, wages, hours, child labor, women in industry, the aged workers, unions, and industrial peace are among the problems considered.

Prerequisite, Economics 201-202.

Three hours credit.

314. **COLLECTIVE BARGAINING.** A study and analysis of contemporary techniques in the solution of labor-management issues within the framework imposed by capitalism and current American politico-economic philosophy. To include management's approach to collective bargaining, trade union philosophy, and goals, bargaining procedures and tactics; the law and legal framework of collective bargaining, integrated with sound theoretical grounding in the economics of the labor market.

Prerequisite, Economics 201-202 and 313.

Three hours credit.

315. **ECONOMIC DEVELOPMENT OF EUROPE.** A study of the European economy (including Great Britain) from medieval times to the present. Special attention will be given to the economic problems of feudalism, mercantilism, the origins and growth of capitalism, and the formation and problems of the national economics. Historical facts and interpretations will be related to theories of growth and development such as found in the writings of Tawney, Sombart, Pirenne, and Max Weber.

Prerequisite, Economics 201-202.

Three hours credit.

316. **ECONOMIC DEVELOPMENT OF THE UNITED STATES.** An analysis of the economic development of the United States from colonial times to the present. An integration of historical analysis and economic theory, stressing economic forces in the 19th and 20th centuries, and their influence upon our present economy.

Prerequisite, Economics 201-202.

Three hours credit.

326. **MONEY AND BANKING I.** A study of the nature and functions of money; paper and deposit currency; the nature and functions of our com-

mercial banking system; the organization and structure of the Federal Reserve System; and the importance of money and banking in our economy.

Prerequisite, Economics 201-202.

Three hours credit.

**327. MONEY AND BANKING II.** The historical development of the monetary, commercial, and central banking systems in the United States; the value of money; monetary and fiscal policy; international monetary relationships; chain and branch banking; and miscellaneous banking institutions.

Prerequisite, Economics 201-202.

Three hours credit.

**403-404. HISTORY OF ECONOMIC THOUGHT.** An advanced course which deals with the origin, growth, and significance of economic institutions with emphasis upon those of Europe and the United States.

Prerequisite, six hours in Economics numbered above the 200 level.

Three hours credit each semester.

**413. INTERNATIONAL TRADE.** A study of the fundamental principles of international trade and foreign exchange. Topics include American and foreign tariff histories, mercantilistic policies, commercial policies, balance of payments, exchange control and other currency problems, and a survey of the practical problems confronting the international trader, including the development of an international trade vocabulary.

Prerequisite, Economics 201-202.

Three hours credit.

**415-416. STUDIES IN ECONOMICS.** Designed primarily, but not exclusively, for the student who desires to pursue graduate training in Economics. Under the supervision and guidance of the instructor the student will write a paper on some specific economics problem, integrating his knowledge of the disciplines, using acceptable research techniques, and demonstrating his proficiency, not only in the discipline, but in composition. During the latter phases of composition, the student will present his conclusions.

Prerequisite, Economics major with at least 18 semester hours in Economics and consent of the instructor.

Three hours credit each semester.

**419-420. GOVERNMENT AND THE ECONOMY.** The course will aim to give an analytical survey of important areas of contact between economic life and government. More specifically the course will relate to matters of economic policy in the United States as they apply to government regulation of business, including transportation, to the problems of economic growth, economic stability, redistribution of income, foreign economic aid, and other issues that are concerned with the changing role of government in economic life.

Prerequisite, Economics 201-202, or consent of instructor.

Three hours credit each semester.

## EDUCATION

*Assistant Professors* CONRAD AND ZIMMERMAN

*Instructor* SCHAEFFER

**MR. GRAMLEY**

*Part-time Instructors* BOSSERT, DICE, LESHER AND SMINK

**201. INTRODUCTION TO EDUCATION.** This basic course introduces the student to the social value of public education, the changing conception of the purposes of education, the problems facing the schools; and to fields of professional activity. Required of all students desiring certification for teaching.

Three hours credit.

**301. PROBLEMS OF SECONDARY EDUCATION.** The course deals with the development and problems of secondary education in a democracy. Consideration of the many special problems of high school students is included.

Three hours credit.

**EDUCATIONAL SOCIOLOGY.** (Sociology 302).

**303. AUDIO-VISUAL EDUCATION.** A study of the value, design, construction, and application of the visual and auditory aids to learning. Practical experience in the handling of audio-visual equipment and materials is provided.

Three hours credit.

**304. METHODS OF TEACHING IN THE SECONDARY SCHOOL.** The course deals with a study of materials and methods of teaching with emphasis on the student's major. Stress is placed on the selection of suitable curricular materials. Students will teach demonstration lessons in the presence of the instructor and the members of the class.

Three hours credit.

**306. HISTORY AND PHILOSOPHY OF EDUCATION.** A study of the economic, social, political and religious conditions which have influenced the different educational programs and philosophies, with emphasis being placed on the American educational system.

Three hours credit.

**307. EXTRA CURRICULAR ACTIVITIES IN THE JUNIOR AND SENIOR HIGH SCHOOL.** Consideration is given to the major types of activities, principles, financial control, credit and evaluation.

Three hours credit.

**308. EDUCATIONAL AND VOCATIONAL GUIDANCE.** The importance of guidance and personnel service in secondary and on other educational levels is stressed. An analysis of records, tests, and grades is included.

Three hours credit.

## EDUCATIONAL PSYCHOLOGY. (Psychology 309).

334. READING METHODS AND MATERIALS. A course designed to study the development of a reading program from the beginnings (readiness) through principles, problems, techniques, and materials used in the total elementary schools.

Three hours credit.

344. METHODS OF TEACHING IN THE ELEMENTARY SCHOOL. The course deals with a study of materials and methods of teaching with emphasis on the selection of suitable curricular materials. Students will teach demonstration lessons in the presence of the instructor and the members of the class. Observation of superior teachers in elementary schools of the greater Williamsport area will be planned.

Three hours credit.

400. PRACTICE TEACHING. Teaching experience in the public schools of this area on the elementary level under the supervision of a cooperating teacher.

Prerequisite, twelve hours credit in Education, including Education 201, 334, and 344, and Psychology 309, and an average of at least 2.0 in all college work.

Six hours credit.

401. PRACTICE TEACHING. Teaching experience in a junior or senior high school in the greater Williamsport area; observation of the teaching of veteran teachers; gradual acceptance of the full responsibilities of the teacher.

Prerequisites, six hours credit in Education, including Education 201 and Psychology 309 and an average of at least 2.0 in all college work.

Six hours credit.

## ENGLISH

*Professors* SANDIN AND HILBISH

*Associate Professors* BYINGTON, GRAHAM, AND STUART

*Assistant Professors* GARNER AND PECK

*Instructors* MADDEN AND MAYNARD

The major in English consists of thirty semester hours exclusive of required courses in freshman English, English 201-202, the sophomore survey of British literature, is the prerequisite for 300 and 400 level courses and required of all majors; English 405-406 is required of all majors in the secondary education curriculum; twenty-one hours must be in courses numbered 300 or 400, and only six of the twenty-one hours may be in courses in advanced composition. Successful performance on a comprehensive departmental examination in the senior year is required for graduation.

101-102. FRESHMAN ENGLISH. An examination of the English language, its backgrounds, development, and usage; and a consideration of the short story, the novel, drama, and poetry for the purpose of developing a critical understanding of these major literary forms.

Three hours credit each semester.

201-202. SURVEY OF BRITISH LITERATURE. A survey of the major movements and authors from their beginnings to the present. First semester, to 1798; second semester, since 1798.

Three hours credit each semester.

203-204. AMERICAN LITERATURE. A study of American literature from the colonial period to the present. First semester, to 1860; second semester, since 1860.

Three hours credit each semester.

305-306. BRITISH NOVEL. From DeFoe to Galsworthy. First semester, DeFoe to Jane Austen; second semester, Dickens to Galsworthy.

Three hours credit each semester.

320. ADVANCED COMPOSITION. Consent of the instructor; limited to 15 students.

Three hours credit.

321-322. IMAGINATIVE WRITING. Emphasis on various forms of creative writing, such as fiction, poetry, familiar essays. Consent of the instructor; limited to 15 students.

Three hours credit each semester.

323. ADVANCED AMERICAN LITERATURE. The content of this course will vary from year to year, as the focus of attention shifts from one to another of the following:

- a. THE TRANSCENDENTALIST MOVEMENT
- b. AMERICAN FOLKLORE
- c. NATURALISM IN AMERICA
- d. AMERICAN LITERARY CRITICISM
- e. AMERICAN POPULAR LITERATURE

Three hours credit.

329-330. SHAKESPEARE. A study of representative plays in chronological order: First semester, the early period of predominantly comedies and history plays; second semester, the period of tragedies and romances. Although the social, intellectual, and dramatic background of Shakespeare's age will be studied, primary consideration will be given to analysis of the plays themselves.

Three hours credit each semester.

331. SEVENTEENTH CENTURY BRITISH LITERATURE.

Three hours credit.

332. EIGHTEENTH CENTURY BRITISH LITERATURE.

Three hours credit.

335-336. NINETEENTH CENTURY BRITISH LITERATURE.

Three hours credit each semester.

403-404. TWENTIETH CENTURY BRITISH LITERATURE. A study of the art and thought of some of the most significant writers of modern fiction and poetry, considered in the light of the social and intellectual background of the period. In the first semester: representative fiction and critical prose of Conrad, Joyce, Lawrence, Huxley, Forster, and Virginia Woolf. In the second semester: representative poems, plays, and critical prose of Hardy, Hopkins, Yeats, Eliot and Auden. Recommended for senior majors only.

Three hours credit each semester.

405. HISTORY OF THE ENGLISH LANGUAGE. The development of English from its Indo-European origins through the Old, Middle and Modern periods. Knowledge of a second language highly desirable.

Three hours credit.

406. STRUCTURE OF ENGLISH. An inductive study of the structure and functional patterns of the English language as seen in the light of recent research.

Prerequisite: English 405.

Three hours credit.

415-416. INDEPENDENT STUDY. For senior majors of demonstrated proficiency. Under the supervision of a member of the English faculty whose specialty is relevant, the student will undertake intensive research into some area of English or American literary study, and will write a paper which he will present to his supervisor for credit. The period of independent study may be one semester or two. By arrangement with the chairman of the department.

Three hours credit each semester.

## FOREIGN LANGUAGES

*Associate Professors* KADLER, FRIES, GILLETTE, AND RAMSEY

*Assistant Professors* BARRICK, COATES, AND DERBYSHIRE

*Instructor* DURR

Students pursuing a curriculum in Foreign Languages can major in French, German, Russian, and Spanish. The major consists of twenty-four semester hours above 100 level courses. Candidates for a major are required to demonstrate during the senior year their aural-oral proficiency in the foreign language of their choice. They are also expected to have taken at least one year of another foreign language.

## CZECH

201-202. INTRODUCTORY. Fundamentals of Czech grammar. Designed to develop the students' ability to apply their knowledge of Russian to understanding, reading and translating of another slavic language.

Three hours credit each semester.

## FRENCH

The major in French consists of twenty-four semester hours above 100 level courses.

**111-112. ELEMENTARY.** Introduction into basic conversational patterns and syntactical foundations of the language. Intensive laboratory drills in the active use of colloquial French. Reading of graded texts.

Four hours credit each semester.

**211-212. INTERMEDIATE.** Continuation and extension of Elementary French. Reading of contemporary material.

Prerequisite, French 111-112 or equivalent.

Three hours credit each semester.

**303-304. ADVANCED.** Designed to develop a high degree of aural comprehension and conversational fluency. One third of the time devoted to composition.

Prerequisite, French 211-212 or equivalent.

Three hours credit each semester.

**311-312. FRENCH DRAMA.** Lectures, discussions and reports on outside reading.

Prerequisite, French 211-212 or consent of the instructor.

Three hours credit each semester.

**321-322. FRENCH NOVEL.** Novelists of the 19th and 20th centuries. (Alternate years.)

Prerequisite, French 211-212 or consent of the instructor.

Three hours credit each semester.

**401-402. SURVEY.** A review of representative works, including poetry, from the Renaissance to modern times. Analysis of the texts and their relations to other literatures. Recommended for French majors.

Prerequisite, French 303-304 and consent of the instructor.

Three hours credit each semester.

**403-404. INTRODUCTION TO APPLIED LINGUISTICS.** Primarily for those who intend to teach French.

Prerequisite, French 303-304 or equivalent, and consent of the instructor.

Three hours credit each semester.

**415-416. STUDIES IN FRENCH LITERATURE.** Introduction to graduate methods of research. Conference hours and reports to be arranged.

Prerequisite, consent of the instructor.

Three hours credit each semester.

## GERMAN

The major in German consists of twenty-four semester hours above 100 level courses, including German 411-412.

**111-112. ELEMENTARY.** Introduction into patterns and grammatical and syntactical foundations of the German language. Intensive laboratory drills in the active use of simple language. Reading of graded texts.

Four hours credit each semester.

**211-212. INTERMEDIATE.** A continuation and extension of Elementary German. Reading of contemporary material.

Prerequisite, German 111-112 or equivalent.

Three hours credit each semester.

**217-218. READING.** An alternative terminal course to German 211-212, offered to students who primarily desire an ability to read and translate expository prose, especially of a scholarly nature. Not part of a major sequence.

Prerequisite, German 111-112 or equivalent.

Three hours credit each semester.

**303-304. ADVANCED.** Designed to develop a high degree of aural comprehension and conversational fluency. Conversation and composition.

Prerequisite, German 211-212 or equivalent.

Three hours credit each semester.

**311-312. GERMAN LITERARY MASTERPIECES.** Lectures, discussions and reports on outside reading.

Prerequisite, German 211-212 or consent of the instructor.

Three hours credit each semester.

**403-404. THE AGE OF GOETHE.** Readings and discussions of representative works on the German classical period.

Prerequisite, consent of the instructor.

Three hours credit each semester.

**405-406. THE 19TH AND 20TH CENTURIES.** Readings and discussions of representative works of the major literary movements of the period.

Prerequisite, consent of the instructor.

Three hours credit each semester.

**411-412. SURVEY OF GERMAN CIVILIZATION.** A study of the major developments in German thought and culture, demonstrated on selected texts from all major periods of German literary history. Offered on demand, recommended for German majors, and majors in other fields in the humanities.

Prerequisite, consent of the instructor.

Three hours credit each semester.

**415-416. STUDIES IN GERMAN.** Special studies for majors. Conferences and reports to be arranged.

Prerequisite, consent of the instructor.

Three hours credit each semester.

## GREEK

205-206. NEW TESTAMENT GREEK GRAMMAR. Fundamentals of New Testament Greek grammar.

Three hours credit each semester.

317. SELECTED READINGS FROM THE NEW TESTAMENT. The reading of passages chosen from the Greek Testament for their literary merit and significance for the Christian faith.

Prerequisite, Greek 206.

Three hours credit.

318. THE GOSPEL ACCORDING TO ST. MARK. A critical reading of the Greek text with reference to the problems of higher and lower Biblical criticism.

Prerequisite, Greek 206.

Three hours credit.

418. THE EPISTLE TO THE ROMANS. A critical study of the Greek text with special attention being given to the theology of St. Paul.

Prerequisite, Greek 206.

Three hours credit.

## RUSSIAN

The major in Russian consists of twenty-four semester hours, above the 100 level courses, and History 349-350.

111-112. ELEMENTARY. Introduction into basic conversational patterns and syntactical foundations of the language. Intensive laboratory drills in the active use of everyday Russian. Cyrillic alphabet. Reading of graded texts.

Four hours credit each semester.

211-212. INTERMEDIATE. Continuation and extension of Elementary Russian. Reading of contemporary material.

Prerequisite, Russian 111-112 or equivalent.

Three hours credit each semester.

217-218. READING. An alternative terminal course to Russian 211-212, offered to students who primarily desire an ability to read and translate expository prose, especially of a scholarly nature.

Prerequisite, Russian 111-112 or equivalent.

Three hours credit each semester.

303-304. ADVANCED. Designed to develop a high degree of aural comprehension and conversational fluency. One third of the time devoted to composition.

Prerequisite, Russian 211-212 or equivalent.

Three hours credit each semester.

311-312. RUSSIAN LITERARY MASTERPIECES. Readings from the outstanding 19th century writers with stress on the short story. The authors to be included are Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Discussions, outside reading and reports.

Prerequisite, Russian 211-212 or equivalent.

Three hours credit each semester.

401-402. SURVEY. A study of representative works from the earliest monuments through Soviet literature. This course will be conducted in English.

Prerequisite, consent of the instructor.

Three hours credit each semester.

403-404. INTRODUCTION TO APPLIED LINGUISTICS. Primarily for those who intend to teach Russian or prepare for graduate work. The first semester will be devoted primarily to a descriptive analysis of Russian and the second semester will be devoted to a study of advanced Russian grammar.

Prerequisite, consent of the instructor.

Three hours credit each semester.

415-416. STUDIES IN RUSSIAN. Special studies for majors in the form of supervised readings. Introduction to graduate methods of research. Conferences and reports to be arranged.

Prerequisite, consent of the instructor.

Three hours credit each semester.

## SPANISH

The major in Spanish consists of twenty-four semester hours, above the 100 level courses.

111-112. ELEMENTARY. Fundamentals of pronunciation and grammar; practice in conversation, reading and composition. Laboratory drills.

Four hours credit each semester.

211-212. INTERMEDIATE. Continuation and extension of Elementary Spanish. Reading of contemporary material.

Prerequisite, Spanish 111-112 or equivalent.

Three hours credit each semester.

301-302. INTRODUCTION TO APPLIED LINGUISTICS. Primarily for those who intend to teach Spanish.

Prerequisite, Spanish 211-212 or equivalent.

Three hours credit each semester.

303-304. ADVANCED. Designed to develop a high degree of aural comprehension and conversational fluency. One third of the time devoted to composition.

Prerequisite, Spanish 211-212 or equivalent.

Three hours credit each semester.

311-312. SPANISH LITERATURE OF THE GOLDEN AGE. A study of representative works and principal literary figures.

Prerequisite, Spanish 303-304 or consent of the instructor.

Three hours credit each semester.

321-322. SPANISH AMERICAN LITERATURE. A study of representative works.

Prerequisite, Spanish 303-304 or equivalent and consent of the instructor.

Three hours credit each semester.

401-402. SURVEY. A study of representative works from the earliest monuments to modern times. Analysis of the texts and their relation to other literatures. Required of all majors.

Prerequisite, Spanish 303-304 or equivalent and consent of the instructor.

Three hours credit each semester.

415-416. STUDIES IN SPANISH. Special studies for majors. Conference hours and reports to be arranged.

Prerequisite, consent of the instructor.  
Three hours credit each semester.

## GEOLOGY

*Professor HOWE*

101. GEOLOGY. An introduction to earth science with particular regard for the origin of the earth, its physical structure and the forces which account for its present surface features. Three lectures and one two-hour laboratory period a week.

Four hours credit.

102. GEOLOGY. Geological history and principles are stressed. Emphasis is placed on the geology of the United States generally, and that of Pennsylvania in particular. Three lectures and one two-hour laboratory period a week.

Prerequisite, Geology 101.

Four hours credit.

## HISTORY

*Professor PRIEST*

*Associate Professors EWING AND GOMPF*

*Assistant Professors STITES AND WARGO*

*Lecturer GHAZNAVI*

*Part-time Instructor WELLER*

The major in history consists of thirty semester hours.

105-106. MODERN EUROPE. An examination of the political, social, cultural and intellectual experience of the peoples of Europe from the era of the high Renaissance and the Reformation to the conclusion of World War I.

Three hours credit each semester.

109-110. HISTORY OF THE UNITED STATES. An examination of the men, measures and movements which have been significant in United States political, economic, and social development (1st semester to 1865; 2nd semester 1865 to the present).

Three hours credit each semester.

302. AMERICAN FOREIGN RELATIONS. A study of the most significant diplomatic problems arising out of wars, westward expansion, and colonial possession, with special attention to the evolution of the United States as a world power.

Three hours credit.

320. PENNSYLVANIA HISTORY. A history of Pennsylvania from its founding to the present day. All phases of life in the colony and commonwealth are treated.

Three hours credit.

333-334. FOUNDATIONS OF THE UNITED STATES (1492-1837). The colonial and early national backgrounds of factors important in the growth of the United States.

Three hours credit each semester.

341-342. THE ANCIENT WORLD. A brief account of the origins of civilization in the ancient Near East followed by a more intensive study of the political, social and cultural history of ancient Greece. The second semester is concerned with the Roman Republic and Empire.

Three hours credit each semester.

343-344. MEDIEVAL EUROPE. The disintegration of ancient civilization and subsequent developments during the early middle ages. The second semester traces the formation of a new civilization in the later middle ages and examines the course of the Renaissance and of the Reformation.

Three hours credit each semester.

345-346. RECENT AND CONTEMPORARY EUROPE. The political, diplomatic, and imperial history of Europe from 1914 to the present. The first semester takes the account to the beginning of World War II, the second semester from that point to the present.

Prerequisite, History 105-106.

Three hours credit each semester.

347-348. HISTORY OF ENGLAND. The political, constitutional, social and cultural history of England through medieval and modern times. The first semester takes the account to 1660, the second semester to the present.

Prerequisite, History 105-106.

Three hours credit each semester.

349-350. HISTORY OF RUSSIA. The first semester will cover the stream of Russian history from its origins to the eve of the Russian Revolution of 1917, with special emphasis on the revolutionary-intellectual tradition and the growth of Marxism. The second semester will deal with the Revolution and the ensuing Soviet period to the present.

Prerequisite, History 105-106.

Three hours credit each semester.

351-352. HISTORY OF THE FAR EAST. The great oriental civilizations of China, Japan and Southeast Asia will be investigated in historical context during the first semester, ending with the impact of the West in the nineteenth century. The second semester will deal chiefly with twentieth century developments, with special emphasis on the growth of communism in East Asia.

Prerequisite, History 105-106.

Three hours credit each semester.

353-354. HISTORY OF THE NEAR EAST. First semester: the birth of civilizations and the course of political, cultural and religious currents in the ancient Near East; the impact of the rise and spread of Islam. Second semester: the rise and decline of the Ottoman Empire and its relations with the fringe areas of the Near East, including the Balkans, Iran, and North Africa.

Prerequisite, History 105-106.

Three hours credit each semester.

355-356. THE CIVIL WAR AND THE RISE OF MODERN AMERICA. Causes, courses, and aftermath of the Civil War followed in the second semester by study of forces creating present day America.

Three hours credit each semester.

357-358. RECENT AND CONTEMPORARY UNITED STATES. World War I and its effect upon the United States followed by World War II and subsequent American history.

Prerequisite, six hours of history.

Three hours credit each semester.

359-360. AMERICAN SOCIAL AND INTELLECTUAL HISTORY. The rise and development of all phases of American social and intellectual experiences from colonial settlement to the present.

Three hours credit each semester.

The following studies courses are open only to students of junior or senior standing, with consent of instructor.

- 415-416. a. STUDIES IN THE PHILOSOPHY OF HISTORY.
- b. STUDIES IN THE ERA OF THE RENAISSANCE AND REFORMATION.
- c. STUDIES IN BRITISH CONSTITUTIONAL AND LEGAL HISTORY.
- d. STUDIES IN THE FRENCH REVOLUTION AND NAPOLEONIC ERA.
- e. STUDIES IN RUSSIAN INTELLECTUAL HISTORY.
- f. STUDIES IN COLONIAL AMERICA.
- g. STUDIES IN AMERICAN INTELLECTUAL HISTORY.
- h. STUDIES IN PENNSYLVANIA HISTORY.
- i. STUDIES IN MODERN DIPLOMATIC HISTORY.
- j. STUDIES IN NEAR EASTERN HISTORY.

## MATHEMATICS

*Professor KNIGHTS*

*Associate Professor VANBAELEN*

*Assistant Professors FRUTIGER, HARER, REMLEY AND SAH*

*Lecturer BAUER*

The major in mathematics consists of twenty-four semester hours beyond the 100 level courses.

101. COLLEGE ALGEBRA. After a rapid review of quadratic equations, this course deals with the binomial theorem, permutations, and combinations, probability, series, determinants, and theory of equations.

Three hours credit.

102. TRIGONOMETRY. An introductory course in plane trigonometry dealing with the use of logarithms in the solution of plane triangles, together with the trigonometric functions of an angle and the fundamental identities connecting its functions.

Three hours credit.

151. ENGINEERING DRAWING. The principles of orthographic projection, axiometric drawing, and perspective through instrumental and free hand exercises. Vertical lettering, free hand sketches, uses of drawing instruments, drafting room practice in conventional representations, practice in pencil and ink tracing, sec-

tions, theory of dimensioning, detail and assembly drawings and the reading of working drawings. Class meets two two-hour laboratory periods each week.

Two hours credit.

**152. DESCRIPTIVE GEOMETRY.** Graphical solution of the more advanced space problems, both theoretical and practical and those encountered in engineering practice; practice in inclined free hand lettering. Problems involve the measurement of angles and distances and the generation of various surfaces, together with their sections, developments and intersections. In each project, visualization and analysis lead to a logical and efficient solution. Class meets two two-hour laboratory periods each week.

Two hours credit.

**201. ANALYTIC GEOMETRY.** A study of the graphs of various equations; curves resulting from simple locus conditions with stress on the loci of the second degree; polar co-ordinates, and co-ordinates of space.

Prerequisite, Mathematics 102.

Four hours credit.

**205. DIFFERENTIAL CALCULUS.** Functions, limits, slope, derivatives of algebraic and transcendental functions and their applications to maxima and minima, rates, curvature.

Prerequisite, Mathematics 201.

Three hours credit.

**207-208. INTRODUCTION TO MODERN MATHEMATICS.** Introduces student to such topics in modern mathematics as symbolic logic, sets and sub-sets, probability theory, vectors and matrices, linear programming and theory of games. Applications from the field of the natural sciences, social sciences, and education.

Three hours credit each semester.

**303. HISTORY OF MATHEMATICS.** A survey of the historical development of arithmetic, algebra, trigonometry, and the beginnings of analytic geometry and calculus.

Prerequisite, Mathematics 305.

Three hours credit.

**305. INTEGRAL CALCULUS I.** Indefinite and definite integration, improper integrals. Applications: areas, volumes, length of curves, surfaces of revolution, moments, pressure and work.

Prerequisite, Mathematics 205.

Three hours credit.

**306. INTEGRAL CALCULUS II.** Review of solid analytic geometry, partial differentiation and applications, multiple integral and applications, infinite series, expansions, MacLaurin's and Taylor's Theorem with and without remainder, and an introduction to differential equations.

Prerequisite, Mathematics 305.

Three hours credit.

**307. HIGHER ALGEBRA.** Includes the study of the binomial theorem for any index, the summation of series, mathematical induction, elements of the theory of numbers, indeterminate equations, and probability.

Prerequisite, Mathematics 101.

Three hours credit.

309. ELEMENTARY THEORY OF EQUATIONS. Complex number, binomial equations, polynomials and solution of polynomial equations. Determinants and introduction to matrices. Linear equations. Elimination.

Three hours credit.

404. DIFFERENTIAL EQUATIONS. A first course in ordinary differential equations. Includes differential equations of first order with applications to physics, mechanics, and chemistry; linear equations with constant coefficients, simultaneous equations, and some special higher order equations.

Prerequisite, Mathematics 306.

Three hours credit.

407. CALCULUS OF FINITE DIFFERENCES. The study of finite differences with applications to interpolation, summation of series, integration, and solution to difference equations.

Prerequisite, Mathematics 306.

Three hours credit.

409. INTRODUCTION TO NUMERICAL ANALYSIS. An introduction to the methods for obtaining numerical answers to mathematical problems. Includes the study and analysis of tabulated data leading to interpolation formulas of Newton, Bessel, and Stirling, and to trigonometric interpolation; numerical solution of equations and systems of equations; and numerical integration.

Prerequisite, Mathematics 407.

Three hours credit.

411. MODERN ALGEBRA. An introduction to the axiomatic treatment of algebra. Topics covered include the development of the number systems and the abstract concepts of group, integral domain, and field.

Prerequisite, Mathematics 306.

Three hours credit.

415-416. STUDIES IN MATHEMATICS. Conferences, oral and written reports on selected topics designed to round out a student's knowledge of mathematics. Limited to qualified majors.

Three hours credit each semester.

## MUSIC

*Associate Professors* McIVER AND SHEAFFER

*Assistant Professors* MORGAN AND RUSSELL

*Part-time Instructor* DISSINGER

A major in music consists of thirty semester hours adequately distributed in Principles, History and Literature, and Applied Music. A minimum of fifteen semester hours in Principles, History and Literature is required.

### A. PRINCIPLES

121-122. THEORY. An integrated course in the fundamentals of music and musicianship including written harmony, sight singing, ear training, and keyboard harmony. Class meets five times each week.

Four hours credit each semester.

221-222. THEORY. A continuation of the integrated course in music and musicianship. Class meets five times each week.

Prerequisite, Music 121-122.

Four hours credit each semester.

321. ADVANCED HARMONY. Altered chords and a thorough review of seventh, ninth, and eleventh chords, with analysis of material used in modern music. Continued work at the keyboard.

Prerequisite, Music 221-222.

Three hours credit.

322. COUNTERPOINT. A study of the five species in two, three, and four part writing.

Prerequisite, Music 221-222.

Three hours credit.

401. ORCHESTRATION. A study of modern orchestral instruments, an examination of their use by the great masters with practical problems of instrumentation.

Prerequisite, Music 221-222.

Three hours credit.

402. COMPOSITION. Creative writing in smaller vocal and instrumental forms. The college musical organizations serve to make performances possible.

Prerequisite, Music 322.

Three hours credit.

403. FORM AND ANALYSIS. A study of harmonic and contrapuntal forms, with analysis of representative works of music literature.

Prerequisite, Music 222.

Three hours credit.

## B. HISTORY AND LITERATURE

131-132. MUSIC APPRECIATION. First semester: This is the basic course for those desiring to become perceptive listeners. Here the concern is for the student's understanding of such basic elements of music as melody, harmony, rhythm, timbre, form, and medium. Second semester: Continuing the study of the elements of music, the emphasis is upon the various forms of significance in music. Beginning with free forms and small character pieces, larger ideas such as the rondo, the variation, and the sonata-allegro, the study reaches the great conjoint forms of music including the sonata, the symphony, the concerto, and the opera. All musical examples are from the masterworks of the 18th, 19th, and 20th centuries.

Three hours credit each semester.

309. HYMNOLOGY. A study of the hymnody of the Christian Church. Emphasis is directed toward an appreciation of the Church's finest hymns.

Three hours credit.

317. MUSIC HISTORY AND LITERATURE TO J. S. BACH. A survey of the history of music from antiquity to the beginning of the 18th century. Con-

siderable emphases are given the great choral polyphony of the 15th and 16th centuries, and the dramatic and instrumental music of the early and middle Baroque.

Prerequisite, Music 131-132.

Three hours credit.

**318. MUSIC HISTORY AND LITERATURE OF THE 18TH CENTURY.** Emphasizing the achievements of the late Baroque and the great classical age of the late 18th century, the course is largely concerned with the lives and music of four great composers: Bach, Handel, Mozart, and Haydn. Considerable attention is given the great contrapuntal forms of Bach, and to such other forms as the mass, the oratorio, the sonata, the symphony, and the opera.

Prerequisite, Music 131-132.

Three hours credit.

**319. MUSIC HISTORY AND LITERATURE OF THE 19TH CENTURY.** Consideration is given to the works and lives of such artists as Beethoven, Chopin, Schubert, Brahms, Wagner, and Debussy, as well as the romantic and the impressionistic tempers in art. Principal forms employed are the solo song, the small character piece for the piano, the symphony, the concerto, and Italian and Wagnerian operatic and dramatic music.

Prerequisite, Music 131-132.

Three hours credit.

**320. MUSIC HISTORY AND LITERATURE OF THE 20TH CENTURY.** Beginning with Richard Strauss and Sibelius, the course familiarizes the student with such great moderns as Stravinsky, Bartok, Prokofief, Shastakovich, Barber, Copland and Menotti. Considerable attention is given to 20th century symphony, and to modern opera. Atonality and expressionism are explored.

Prerequisite, Music 131-132.

Three hours credit.

**415. SENIOR STUDIES.** Herein opportunity is afforded to the senior majoring in music to develop a project in research. Such work is undertaken in consultation with a faculty adviser. Emphasis is directed toward the development of creative thinking. May be taken only with the permission of the head of the department.

Three hours credit.

### C. APPLIED MUSIC

**133-134. PIANO CLASS.** A beginning class in piano designed primarily for the voice and instrumental majors. No more than eight students to a class. Two classes each week.

One hour credit each semester.

**135-136. PRIVATE PIANO INSTRUCTION.** Training in the fundamentals of technique. Progressive studies are used to make possible a study of the world's finest piano literature. Participation in recitals is part of the course. Senior recital.

One-half or one hour credit each semester.

141-142. VOICE CLASS. Group instruction for beginning voice students. Emphasis on personal requirements with opportunity for individual performance. Two classes each week.

One hour credit each semester.

145-146. PRIVATE VOICE INSTRUCTION. Training in the fundamentals of good singing with a study of various styles of song literature. Performance in recitals is required once each semester, with fourth year voice students presenting a major recital before graduation.

One-half or one hour credit each semester.

151-152. BAND INSTRUMENTS CLASS. Group instruction at the beginning level in band instruments. Two classes each week.

One hour credit each semester.

155-156. PRIVATE INSTRUCTION IN BAND INSTRUMENTS. Training in the fundamentals of performance on one or more instruments of the band. Progressive studies offer the opportunity for the student to advance to the level of recital performance. Senior recital required.

One-half or one hour credit each semester.

165-166. PRIVATE INSTRUCTION IN STRINGS. Training in the fundamentals of performance on one or more of the string instruments. Progressive studies make possible advancement to the level of recital performance. Senior recital required.

One-half or one hour credit each semester.

175-176. PRIVATE INSTRUCTION IN ORGAN. Satisfactory background in piano is required to study organ. Additional work in piano may be required at the discretion of the department head. The organ student is given the opportunity to work with progressive studies in both church and concert repertory. Senior recital required.

One-half or one hour credit each semester.

325-326. CHORAL AND/OR INSTRUMENTAL CONDUCTING. A study of the fundamentals of conducting with frequent opportunity for practical experience.

Three hours credit each semester.

334. PIANO ENSEMBLE. A course designed to explore piano literature for four and eight hands. Required of piano majors. Open to any qualified student. Two classes each week.

One hour credit, with a maximum of two hours credit.

344. VOCAL METHOD CLASS. A study of anatomy relative to vocalization; diction is studied through phonetic spelling. Practical application is made by singing individually and as a class. Required of voice majors. Open to any qualified student. Two classes each week.

One hour credit.

354. INSTRUMENTAL METHOD CLASS. A course designed to study instrumental method. Required of instrumental majors. Open to any qualified student. Two classes each week.

One hour credit.

## PHILOSOPHY

*Associate Professor FAUS*

*Assistant Professor MUCKLOW*

A major in philosophy consists of twenty-four semester hours. Philosophy 301-302 shall be elected in the sophomore or junior year.

A comprehensive examination to be taken in the second semester of the senior year must be satisfactorily passed as a requirement for graduation.

201-202. **ETHICS.** An examination of some of the fundamental ethical problems of man and society and the corresponding theories of moral and political philosophy. Readings in philosophical classics.

Three hours credit each semester.

301-302. **HISTORY OF PHILOSOPHY.** First semester: the history of philosophy from its beginnings among the Greeks to the founding of modern science. Second semester: the history of philosophy continued to the present century. One concern is to understand the fundamental thoughts of the great philosophers, including Plato, Aristotle, St. Thomas Aquinas, Descartes, the British empiricists, and Kant.

Prerequisite, Philosophy 201-202.

Three hours credit each semester.

305-306. **LOGIC.** Introduction to elementary formal deductive logic and its application to arguments expressed in English. Investigation of selected topics in semantics, such as truth and meaning, and in mathematics and law, such as the nature of mathematical truth and the role of definition in jurisprudence. Examination of the nature of reasoning, through comparison of the kinds of arguments found in such diverse realms of discourse as mathematics, law, and ethics.

Offered in alternate years.

Prerequisite, Philosophy 201-202.

Three hours credit each semester.

307. **AESTHETICS.** A study of form, harmony, and beauty and their relations to the integrated experiences of the individual person.

Prerequisite, Philosophy 201-202.

Three hours credit.

309. **AMERICAN PHILOSOPHY.** A study of the important trends and chief world-views among American philosophers, including present-day thinkers in this country.

Prerequisite, Philosophy 201-202.

Three hours credit.

310. **METAPHYSICS.** A study of the chief philosophical world-views with the aim of developing a perspective for the interpretation of experience.

Prerequisite, Philosophy 201-202.

Three hours credit.

312. **PHILOSOPHY OF RELIGION.** A study of the philosophical foundations of religion, with special emphasis on the intellectual bases for the belief in God,

the problem of good-and-evil, human personality, religious experience, and human immortality.

Prerequisite, Philosophy 201-202.

Three hours credit.

316. PHILOSOPHY OF SCIENCE. An examination of the nature of science.

Offered in alternate years.

Prerequisite, Philosophy 201-202.

Three hours credit.

405. SEMINAR IN PHILOSOPHY. An analysis of one philosophical problem, philosopher, or movement. Discussions and papers on a topic such as the freedom of the will, Kant's moral philosophy, or phenomenism.

Offered in alternate years.

Prerequisite, Philosophy 201-202 and consent of instructor.

Three hours credit.

413-414. STUDIES IN PHILOSOPHY. These studies will involve an intensive research study of the writings of one or more outstanding philosophers. Limited to qualified majors.

Three hours credit each semester.

## PHYSICAL EDUCATION

*Associate Professor BUSEY*

*Assistant Professors BURCH, VARGO AND WHITEHILL*

*Instructors MILLER AND PHILLIPS*

*Part-time Instructors GREEN AND RAUFF*

101-102. PHYSICAL EDUCATION (Men). Basic instruction in fundamentals of sports that include touch-football, soccer, volleyball, table tennis, bowling, badminton, wrestling, swimming, gymnastics and tumbling, softball, tennis, golf and archery.

A regulation four-piece uniform consisting of a Lycoming College T-shirt, royal blue shorts, and a royal blue sweat suit, along with a basketball-type rubber-soled shoe is required for all class work in physical education. This uniform may be secured at The College bookstore.

One hour credit each semester.

201-202. PHYSICAL EDUCATION (Men). More advanced work in the various activities with added emphasis on those sports that have the greatest potential as recreational and leisure time interests in after-college life.

Uniform requirement is the same as for Phys. Ed. 101-102.

One hour credit each semester.

111-112. PHYSICAL EDUCATION (Women). Basic instruction in fundamentals of swimming, tennis, badminton, bowling, table tennis, archery, volleyball, basketball, softball, field hockey, soccer, stunts and tumbling, rhythmic, informal gymnastics, folk, modern and character dancing.

A regulation two-piece uniform consisting of a white blouse and blue shorts, along with a tennis-type, rubber-soled shoe is required for all class work in physical education. This uniform may be secured at The College bookstore.

One hour credit each semester.

211-212. PHYSICAL EDUCATION (Women). More advanced work in activities offered freshmen. A reasonable degree of proficiency in a sport of her choice shall be required.

Uniform requirement is the same as for Phys. Ed. 111-112.

One hour credit each semester.

## PHYSICS

*Associate Professor BABCOCK*

*Assistant Professors JAMISON AND REMLEY*

*Instructor UPDEGRAFF*

The major consists of thirty semester hours.

101-102. GENERAL PHYSICS. A course in the first semester covering mechanics, heat, and sound; and in the second semester, magnetism, electricity, and light. Lectures and recitations based on a standard text accompanied by a systematic course in quantitative laboratory practice. Three hours lecture and two two-hour laboratory periods each week.

Five hours credit each semester.

Prerequisite, Mathematics 101-102 or equivalent.

201. STATICS. The division of mechanics which includes the fundamental conception of a force, the resolution of a force into components, and the composition of forces into a resultant. Both the analytical and the graphic solutions are used.

Prerequisite, Physics 101.

Three hours credit.

202. STRENGTH OF MATERIALS. The application of analytical and vector methods to mechanical systems, including moment and shear diagrams.

Prerequisite, Physics 201.

Three hours credit.

301. DYNAMICS. A division of mechanics including forces which act on a body to cause a change in its motion.

Prerequisite, Physics 201.

Three hours credit.

302. METEOROLOGY. A study of basic principles pertaining to the observation and recording of weather data, and the basing of future weather predictions on them.

Three hours credit.

303. LIGHT. A study of the theories of physical optics and an introduction to modern spectroscopy.

Prerequisite, Physics 101-102. Conference on mathematical background required.

Three hours credit.

**305-306. ELECTRICITY AND MAGNETISM.** This course treats electrical and magnetic phenomena. Theoretical concepts as well as problems are stressed. Selected topics include circuits, inductances, and capacitance. Laboratory work is included.

Prerequisite, Physics 102.

Four hours credit each semester.

**401-402. MODERN PHYSICS.** Recent developments in modern physics including atomic and nuclear structure. Special attention is given the quantum theory, special relativity, radiation laws. Selected topics include nuclear reactions, nuclear fission, the Bohr theory of the atom and radioactivity.

Prerequisite, Physics 102.

Three hours credit each semester.

**415-416. STUDIES IN PHYSICS.** Conferences, research projects, and written reports on selected topics in physics.

Four hours credit each semester.

## POLITICAL SCIENCE

*Professor WEIDMAN*

*Assistant Professor LEH*

*Lecturer GHAZNAVI*

The major in political science consists of twenty-four semester hours.

**101. AMERICAN GOVERNMENT.** An inquiry into the structure and functions of the various organs of national government, with special reference to their expansion to meet the problems of a modern society.

Three hours credit.

**102. STATE AND LOCAL GOVERNMENT.** A comparative study of the organization and functions of the states and their subdivisions, their relationship to the federal government, and the newer concept of the work of state administration.

Prerequisite, Political Science 101.

Three hours credit.

**205-206. WORLD POLITICS.** A course designed to present a realistic view and a working knowledge of the origins, forms, forces, and prospects of political power in the World Community today.

Prerequisite, Political Science 101.

Three hours credit each semester.

**301. PRINCIPLES OF POLITICAL SCIENCE.** A study to acquaint the student with the functions of the modern state, the development of political thought, individual liberty under the law, and the nature of political parties.

Prerequisite, Political Science 101.

Three hours credit.

302. POLITICAL PARTIES AND PRESSURE POLITICS. A study of political parties in the United States with emphasis upon factors of control, campaign techniques, propaganda, and their relationship to pressure groups.

Prerequisite, Political Science 101.

Three hours credit.

303. COMPARATIVE GOVERNMENT. An analysis of several governments of the world, affording a comparison between democratic and authoritarian states, with particular attention directed to changes resulting from World War II.

Prerequisite, Political Science 101.

Three hours credit.

304. MUNICIPAL GOVERNMENT. An analysis of different forms of city government in the United States, the relation of the city to the states, city polities and elections, and the problems of municipal administration.

Prerequisite, Political Science 101.

Three hours credit.

315-316. THE AMERICAN CONSTITUTION. A course designed to present the origins and development of the Constitution, its dominant role in the United States, and the social forces and dynamic needs which have molded its expansion.

Prerequisite, Political Science 101.

Three hours credit each semester.

401-402. POLITICAL THEORIES. Theories of government in the writings of philosophers, ancient and modern. First semester: Greek, Roman, and medieval; second semester: theories which accompanied the rise of the nation-state and its subsequent development.

Prerequisite, Political Science 101 and consent of the instructor.

Three hours credit each semester.

403. PUBLIC ADMINISTRATION. Concept of bureaucracy and its place in government. The development of public administration in America with attention to its increasing professionalization. Theory and practice of public administration and personnel administration.

Prerequisite, Political Science 101.

Three hours credit.

411. INTERNATIONAL ORGANIZATION. A study of the development, structure, and functions of the principal agencies of international co-operation, with particular attention to the United Nations and to regional organizations.

Prerequisite, Political Science 101.

Three hours credit.

412. INTERNATIONAL POLITICS. An analysis of the dynamic factors in international political behavior with special reference to power and ideology; mutuality and conflict of national interests; policy formation and execution in the continuing world crisis.

Prerequisite, Political Science 101.

Three hours credit.

**415-416. STUDIES IN POLITICAL SCIENCE.** Conferences, and oral and written reports on selected topics designed to round out a student's knowledge of Political Science. Limited to qualified majors.

Three hours credit each semester.

## PSYCHOLOGY

*Professor SKEATH*

*Associate Professor MILLER*

*Assistant Professor SEIDEL*

**MR. BUCKLE, MR. HARRIS, MR. LADY, MR. NAIR**

*Part-time Instructor CUMMINGS*

The major in Psychology consists of thirty semester hours including Psychology 111-112, General Psychology; Psychology 211-212, Patterns of Behavior; Psychology 311-312, Statistics and Experimental Psychology; Psychology 321-322, Learning and Learning Theory; and Psychology 421-422, Seminar in Personality. Students majoring in Psychology are encouraged to include in their programs courses in zoology, anatomy, physiology and genetics; History 359-360, American Social and Intellectual History; foreign language (French, German, or Russian); Mathematics 207-208, Introduction to Modern Mathematics; and Philosophy.

**111-112. GENERAL PSYCHOLOGY.** Introductory study of behavior. Survey of experimental studies of motivation, learning, thinking, perceiving, individual differences. Emphasis on scientific methodology.

Three hours credit each semester.

**211-212. PATTERNS OF BEHAVIOR.** Study of normal personality and adjustment together with deviations as illustrated in various forms of mental illness.

Three hours credit each semester.

**308. CHILD PSYCHOLOGY.** Behavior from birth to adolescence: intellectual, emotional, social, physical development.

Three hours credit.

**309. EDUCATIONAL PSYCHOLOGY.** Psychological principles as applied to learning and the development of personality.

Three hours credit.

**311-312. STATISTICS AND EXPERIMENTAL PSYCHOLOGY.** Elementary statistics through correlation and significant differences. Experimental studies emphasizing research method and design.

Three hours credit each semester.

**321-322. LEARNING AND LEARNING THEORY.** Exposition and analysis of systematic conceptions of the learning process from the behavioristic and field points of view.

Three hours credit each semester.

**417-418. PRACTICUM IN HUMAN RELATIONS.** Case studies of family, personal, social, and industrial situations.

Two hours credit each semester.

421-422. SEMINAR IN PERSONALITY. Exposition and analysis of phenomenological, bio-social, and psychoanalytic conceptions of personality theory.

Three hours credit each semester.

## RELIGION

*Associate Professor RAMSEY*

*Assistant Professors GUERRA, MILLHOLLAND, NEUFER AND RHODES*

A major in religion consists of twenty-four semester hours.

206. THE LITERATURE OF THE OLD TESTAMENT. A study of the major works of the Old Testament with special reference to their origins, contents, and historical significance.

Three hours credit.

208. THE LITERATURE OF THE NEW TESTAMENT. A study of the major writings of the New Testament with reference to their authorship, date, and significance for the understanding of primitive and contemporary Christianity.

Three hours credit.

305. THE PROPHETS. A consideration of the prophetic movement in Israel beginning with the pre-literary prophets and including the works of Amos, Hosea, Isaiah, Jeremiah, and the prophets of the Restoration.

Three hours credit.

307. THE LIFE AND TEACHINGS OF JESUS. An approach to the life and teachings of Jesus through the critical study of the sources and the reconstruction of the historical, social, and religious setting of His ministry.

Prerequisite, Religion 206 or 305.

Three hours credit.

310. THE HISTORY OF RELIGION IN AMERICA. A survey in American church history with special attention being given to the prominent personalities and environmental factors involved in the founding and development of the various religious groups—Protestant, Catholic, and Jewish—in this country.

Three hours credit.

### THE GOSPEL ACCORDING TO ST. MARK. (Greek 318)

403. THE ORGANIZATION AND WORK OF THE LOCAL CHURCH. A study of the nature and structure of the local church, its roles in the community, and the responsibilities of its personnel.

Three hours credit.

404. THE EDUCATIONAL MINISTRY OF THE LOCAL CHURCH. An introduction to religious education as a function of the local church, with special attention being given to the nature and goals of Christian education, methods of church-school teaching, and the relation between faith and learning.

Three hours credit.

411. THE RELIGIONS OF THE WORLD. A survey of the religious beliefs and practices of mankind through the historical study of the major living religions; an attempt to illuminate the origins, the nature, and the development of religion.

Three hours credit.

414. PROTESTANT CHRISTIANITY. An historical and theological study of the origin and development of the Protestant movement, 1500-1950, with particular emphasis on American Protestantism.

Prerequisite, Religion 208 or 307.

Three hours credit.

415-416. STUDIES IN RELIGION. Special studies for majors. Conference hours and reports to be arranged.

Prerequisite, consent of the head of the department.

Three hours credit each semester.

THE EPISTLE TO THE ROMANS. (Greek (418)

## SOCIOLOGY AND ANTHROPOLOGY

*Associate Professors FRANCISCO AND SONDER*

The major in sociology consists of twenty-four semester hours.

105. INTRODUCTION TO SOCIOLOGY. An introduction to the systematic study of human inter-relationships and the products of these relationships.

Three hours credit.

202. MARRIAGE AND THE FAMILY. The history, structure, and functions of modern American family life, emphasizing dating, courtship, factors in marital adjustment, and the changing status of family members.

Prerequisite, Sociology 105 or junior standing.

Three hours credit.

205. CONTEMPORARY SOCIAL PROBLEMS. A study of the causal theories, manifestations, and possible solutions for the social phenomena which are currently accepted as problems.

Prerequisite, Sociology 105.

Three hours credit.

214. GENERAL ANTHROPOLOGY. A survey of the physical and cultural evolution of man and society, placing emphasis upon the comparative descriptions of recent primitive societies.

Three hours credit.

302. EDUCATIONAL SOCIOLOGY. The aims, purposes, and operation of education are interpreted from the sociological viewpoint with emphasis upon the home and community as they affect the educative process, as well as upon the special role of the teacher in school and society.

Prerequisite, Sociology 105.

Three hours credit.

305. CRIMINOLOGY. The nature, genesis, and organization of criminal behavior is examined from both group and individual viewpoints. Juvenile delinquency and the treatment of crime are presented.

Prerequisite, Sociology 105.

Three hours credit.

308. RURAL AND URBAN COMMUNITIES. The concept of community is treated as it operates and affects individual and group behavior in rural, suburban, and urban settings. Emphasis is placed upon characteristic institutions and problems of modern city life.

Prerequisite, Sociology 105.

Three hours credit.

309. RACIAL AND CULTURAL MINORITIES. A study of the adjustments of minority racial, cultural, and national groups in modern America. Attention is also given to minority problems within their world setting.

Prerequisite, Sociology 105.

Three hours credit.

STATISTICS. (Psychology 311)

312. COLLECTIVE BEHAVIOR AND SOCIAL MOVEMENTS. The mob and crowd are treated as social phenomena. The major social movements within western civilization are described with analysis.

Prerequisite, Sociology 105 and junior standing.

Three hours credit.

314. POPULATION. The size, growth, and trends within population are presented along with their significant results for culture and social change.

Prerequisite, Sociology 105 and junior standing.

Three hours credit.

407. GROUPS AND THE DEVELOPMENT OF HUMAN NATURE. An integrated, theoretical explanation of meaningful social behavior is developed and applied to classes, age groupings, and institutions of modern American society. Emphasis is placed upon the concepts of self, role, and stratification.

Prerequisite, Sociology 105 and three additional hours in Sociology.

Three hours credit.

408. THE DYNAMICS OF PUBLIC OPINION. A theoretical and research-based study of the foundation, formation, and operation of public opinion in American society. Emphasis is placed upon polling and propaganda techniques, and analysis is made of the major media of public opinion.

Prerequisite, Sociology 105 and junior standing.

Three hours credit.

409. SOCIOLOGY APPLIED TO BUSINESS AND THE PROFESSIONS. The principles of Sociology are treated to reflect their usefulness in business, industry, and such professions as the ministry, social work, and counselling.

Prerequisite, Sociology 105 and one other Sociology course or permission of instructor.

Three hours credit.

**410. STUDIES IN THE HISTORY OF SOCIOLOGICAL THOUGHT.** The history of the development of sociological thought from its earliest philosophical beginnings is treated through discussions and reports. Emphasis is placed upon sociological thought since the time of Comte.

Limited to qualified majors, others with permission of instructor.

Three hours credit.

**423-424. STUDIES IN SOCIOLOGICAL RESEARCH.** The methods of sociological research are treated, and students acquire practical experience in the application of these methods.

Limited to qualified majors; others with consent of instructor.

Three hours credit each semester.

## SPEECH

### *Instructor RAISON*

**105. FUNDAMENTALS OF SPEECH I.** Development of the elementary principles of simple oral communication through lectures, prepared assignments in speaking and informal class exercises.

Three hours credit.

**106. FUNDAMENTALS OF SPEECH II.** A continuation of elementary principles with emphasis upon persuasive and argumentative speaking, debate group discussion, parliamentary procedure and speeches for special occasions.

Prerequisite, Speech 105.

Three hours credit.

**212. INTRODUCTION TO THEATRE I.** A survey of the artistic and technical functioning of theatre, including playwriting, acting, directing, and design.

Three hours credit.

**213. INTRODUCTION TO THEATRE II.** A continuation of Speech 212 with emphasis upon playwriting, acting, directing and design. Students will elect one or two of these emphases for intensive, directed study through lectures, seminar discussions and demonstrations.

Prerequisites, Speech 212 and consent of instructor.

Three hours credit.

**311. WORLD DRAMA.** A survey of world dramatic literature from the Greeks to the present.

Three hours credit.

# COLLEGE PERSONNEL

# Board of Directors

## OFFICERS

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MR. ARNOLD A. PHIPPS .....	<i>Vice-President</i>
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## DIRECTORS

<i>First Elected</i>	<i>Term Expires 1963</i>	
1957	The Rev. Sheridan W. Bell, D.D. ....	<i>Harrisburg</i>
1948	Mr. Harold A. Brown .....	<i>Williamsport</i>
1960	The Rev. Robert R. Croyle, D.D. (Alumni Representative)	<i>Bloomsburg</i>
1957	Mr. Horace S. Heim .....	<i>Montoursville</i>
1938	Mrs. Layton S. Lyon .....	<i>Williamsport</i>
1942	The Rev. Elvin Clay Myers, D.D. ....	<i>Tyrone</i>
1941	Mr. Arnold A. Phipps .....	<i>Williamsport</i>
1931	Hon. Robert F. Rich, LL.D. ....	<i>Woolrich</i>
1936	Mr. George L. Stearns, II .....	<i>Williamsport</i>
1942	Judge Charles Scott Williams .....	<i>Williamsport</i>

\* Deceased

<i>First Elected</i>	<i>Term Expires 1964</i>	
1949	Mr. Charles V. Adams .....	<i>Montoursville</i>
1949	Bishop Fred Pierce Corson, D.D., LL.D. ....	<i>Philadelphia</i>
1948	Mr. Frank L. Dunham .....	<i>Wellsboro</i>
1951	Mr. Paul G. Gilmore .....	<i>Williamsport</i>
1958	The Rev. William A. Keese, D.D. ....	<i>Baltimore, Md.</i>
1943	Mr. Ralph E. Kelchner .....	<i>Jersey Shore</i>
1958	Mr. Lawson D. Matter .....	<i>Harrisburg</i>
1958	Mr. Fred A. Pennington .....	<i>Mechanicsburg</i>
1961	The Rev. Wallace F. Stettler .....	<i>Springfield</i>
1961	Mr. Nathan W. Stuart .....	<i>Williamsport</i>
	(Alumni Representative)	

<i>First Elected</i>	<i>Term Expires 1965</i>	
1962	The Rev. Gilbert L. Bennett .....	<i>Williamsport</i>
1953	Mr. Ernest M. Case .....	<i>Williamsport</i>
1962	Ralph C. Geigle, Ed.D. ....	<i>Reading</i>
	(Alumni Representative)	
1958	The Rev. Herbert W. Glassco, D.D. ....	<i>Clearfield</i>
1953	The Rev. F. LaMont Henninger, Th.D., S.T.D. ....	<i>Harrisburg</i>
1960	Bishop W. Vernon Middleton, Ph.D., D.D. ....	<i>Pittsburgh</i>
1932	Mrs. H. Marshall Stecker .....	<i>Mt. Carmel</i>
1917	Mr. George W. Sykes .....	<i>Cranberry Lake, N. Y.</i>
1962	Miriam Wendle, Litt.D. ....	<i>Williamsport</i>
1958	Mr. W. Russell Zacharias .....	<i>Allentown</i>

#### EXECUTIVE COMMITTEE

The Rev. Gilbert L. Bennett  
 Mr. Harold A. Brown  
 Mr. Ernest M. Case  
 Mr. Frank L. Dunham  
 Mr. Paul G. Gilmore  
 Mr. Horace S. Heim  
 The Rev. Elvin Clay Myers  
 Mr. Fred A. Pennington  
 Mr. Arnold A. Phipps  
 Mr. George L. Stearns, II  
 Judge Charles S. Williams

# Administrative Staff

D. FREDERICK WERTZ *1501 Elmer* President  
A.B., LL.D., Dickinson College; A.M., S.T.B., Boston University.

DAVID G. MOBBERLEY *1501 Elmer* Dean of the College  
B.S., Baldwin-Wallace College; M.S., University of Michigan; Ph.D., The Iowa State University.

KENNETH E. HIMES *703 N. University* Treasurer and Business Manager  
B.S., Drexel Institute of Technology; G.S.B., Rutgers University.

R. ANDREW LADY *1133 Linton* Assistant to the President and Director of Development  
A.B., Lycoming College; M.S., The Pennsylvania State University.

JACK C. BUCKLE *1471 Linton* Dean of Students  
A.B., Juniata College; M.S., Syracuse University.

G. HEIL GRAMLEY *26 B. Linton* Registrar  
B.S., Albright College; M.A., Bucknell University.

OLIVER E. HARRIS *1501 Elmer* Director of Admissions  
A.B., M.S., The Pennsylvania State University.

HELEN M. FELIX *1501 Elmer* Dean of Women  
B.S., East Stroudsburg State College.

M. RUTH GRIERSON *737 Linton* Librarian  
A.B., Alma College, A.B.L.S., University of Michigan; M.S., Columbia University.

L. PAUL NEUFER *1350 Linton* Director of Religious Activities  
A.B., Dickinson College; S.T.B., S.T.M., Boston University.

DAVID G. BUSEY *1317 Linton* Director of Physical Education and Athletics  
B.S. in Phys. Ed., M.S. in Ed., University of Illinois.

DONALD G. REMLEY *51 Linton* Director of Placement  
A.B., Dickinson College; M.A., Columbia University.

H. LAWRENCE SWARTZ *1350 Linton* Director of Public Relations  
A.B., Lycoming College; M.S., Boston University. On leave, 1962-63.

DANIEL G. FULTZ *1350 Linton* Director of Buildings and Grounds and Assistant Business Manager  
A.B., Lycoming College.

RICHARD D. ZIMMERMAN *1350 Linton* Assistant Director of Admissions  
B.S., Lycoming College.

DONALD A. NAIR *1350 Linton* Assistant Dean of Men and Head Resident, Wesley Hall  
B.S., M.Ed., The Pennsylvania State University.

# Faculty

## EMERITI

MABEL K. BAUER *✓*  
B.S., Cornell University; M.S., University of Pennsylvania.

ARNOLD J. CURRIER *✓*  
A.B., Colgate University; M.S., The Pennsylvania State University; Ph.D.,  
Cornell University. *(S.W.)*

LEROY F. DERR *✓*  
A.B., Ursinus; M.A., Bucknell University; Ed.D., University of Pittsburgh.

WILLIAM S. HOFFMAN *✓*  
B.S., M.S., The Pennsylvania State University.

JAMES W. STERLING *✓*  
A.B., A.M., Syracuse University; Litt.D., Lycoming College.

## PROFESSORS

GEORGE W. HOWE (1949) *✓*  
A.B., M.S., Syracuse University; Ph.D., Cornell University.

FRANCES E. KNIGHTS (1947) *✓*  
A.B., M.A., Bucknell University; D.Ed., The Pennsylvania State University.

DAVID G. MOBBERLEY (1958) *✓*  
Dean of the College; Professor of Biology  
B.S., Baldwin-Wallace College; M.S., University of Michigan; Ph.D., The  
Iowa State University.

LORING B. PRIEST (1949)  
*Divisional Director, Social Sciences; Professor of History*  
Litt.B., Rutgers University; M.A., Ph.D., Harvard University. On leave,  
1962-63.

ROBERT W. RABOLD (1955)  
*Divisional Director, Business Administration;*  
*Professor of Economics*  
B.A., The Pennsylvania State University; M.A., Ph.D., University of Pittsburgh.

JOHN A. RADSPINNER (1957) *✓*  
B.S., University of Richmond; M.S., Virginia Polytechnic Institute; D.Sc.,  
Carnegie Institute of Technology.

ERIC V. SANDIN (1946) *✓*  
*Divisional Director, Humanities; Professor of English*  
B.S., Wesleyan University; M.A., Columbia University; Ph.D., University of  
Illinois.

GEORGE S. SHORTESS (1948) *✓*  
*Divisional Director, Natural Sciences; Professor of Biology*  
A.B., Johns Hopkins University; M.A., Columbia University; Ph.D., Johns  
Hopkins University.

J. MILTON SKEATH (1921) *Professor of Psychology*  
 A.B., Dickinson College; M.A., University of Pennsylvania; Ph.D., The Pennsylvania State University.

HELEN BREESE WEIDMAN (1944) *Professor of Political Science*  
 A.B., M.A., Bucknell University; Ph.D., Syracuse University.

FLORENCE M. A. HILBISH (1960) *Visiting Professor of English*  
 A.B., Dickinson College; M.A., University of Pittsburgh; Ph.D., University of Pennsylvania.

### ASSOCIATE PROFESSORS

JOSEPH D. BABCOCK (1931) *Associate Professor of Physics*  
 A.B., Dickinson College; M.A., Bucknell University.

DAVID G. BUSEY (1954) *Associate Professor of Physical Education*  
 B.S., M.S., University of Illinois.

ROBERT H. BYINGTON (1960) *Associate Professor of English*  
 A.B., University of Pennsylvania; M.A., Lehigh University; Ph.D., University of Pennsylvania.

JOHN W. CHANDLER (1952) *Associate Professor of Art*  
 A.B., St. Anselm's College; M.Ed., Boston University.

ROBERT H. EWING (1947) *Associate Professor of History*  
 A.B., College of Wooster; M.A., University of Michigan.

W. ARTHUR FAUS (1951) *Associate Professor of Philosophy*  
 A.B., Dickinson College; S.T.B., Ph.D., Boston University.

NOEL FRANCISCO (1961) *Associate Professor of Sociology and Anthropology*  
 B.A., M.A., B.D., Drake University; Ph.D., Duke University.

WERNER J. FRIES (1958) *Associate Professor of German*  
 B.S., M.A., Ph.D., Johns Hopkins University.

PHIL G. GILLETTE (1929) *Associate Professor of German and Spanish*  
 A.B., Ohio University; M.A., Columbia University.

ELOISE GOMPF (1960) *Associate Professor of History*  
 A.B., Western College; A.M., Ph.D., Indiana University.

JOHN P. GRAHAM (1939) *Marshal of the College and Associate Professor of English*  
 Ph.B., Dickinson College; M.Ed., The Pennsylvania State University.

M. RUTH GRIERSON (1955) *Librarian With Rank of Associate Professor*  
 A.B., Alma College; A.B.L.S., University of Michigan; M.S., Columbia University.

JOHN G. HOLLENBACK (1952) *Assistant Marshal of the College and Associate Professor of Business Administration*  
 B.S., M.B.A., University of Pennsylvania.

JAMES K. HUMMER (1962) *Associate Professor of Chemistry* ✓  
 B.N.S., Tufts University; M.S., Middlebury College; Ph.D., University of North Carolina.

ERIC H. KADLER (1960) *Associate Professor of French* ✓  
 Graduation Diploma, University of Prague; M.A., Ph.D., University of Michigan.

WALTER G. McIVER (1946) *Associate Professor of Voice* ✓  
 Mus.B., Westminster Choir College; A.B., Bucknell University; M.A., New York University.

CARRIE E. MILLER (1958) *Associate Professor of Psychology* ✓  
 B.S., Kansas State Teachers College; M.A., Ph.D., University of Denver.

HOWARD L. RAMSEY (1955) *Associate Professor of Religion* ✓  
 A.B., B.D., Southern Methodist University; Ph.D., Columbia University. On leave, 1962-63.

JAMES W. SHEAFFER (1949) *Associate Professor of Music* ✓  
 B.S., Indiana State College; M.S., University of Pennsylvania.

OTTO L. SONDER, JR. (1956) *Associate Professor of Sociology and Anthropology* ✓  
 B.A., American University; M.A., Bucknell University.

JOHN A. STUART (1958) *Associate Professor of English* ✓  
 B.A., William Jewell College; M.A., Ph.D., Northwestern University.

ARMAND J. L. VANBAELEN (1947) *Associate Professor of Mathematics* ✓  
 College Communal, Tirlemont, Belgium; B.S., Agric. College, Gembloux, Belgium; M.S., Rutgers University.

## ASSISTANT PROFESSORS

MAC E. BARRICK (1961) *Assistant Professor of Spanish*  
 A.B., Dickinson College; M.A., University of Illinois.

BARTLEY C. BLOCK (1958) *Assistant Professor of Biology* ✓  
 B.S., M.S., Northwestern University.

WILLIAM L. BRICKER (1955) *Assistant Professor of Business Administration and Economics* ✓ ?  
 A.B., M.A., University of Washington.

CLARENCE BURCH (1962) *Assistant Professor of Physical Education*  
 B.S., M.Ed., University of Pittsburgh.

CARROL F. COATES (1962) *Assistant Professor of French* ✓  
 A.B., M.A., University of Oklahoma.

JOHN H. CONRAD (1959) *Assistant Professor of Education* ✓  
 B.S., Mansfield State College; M.A., New York University.

✓ WILLIAM W. DERBYSHIRE (1961) *Assistant Professor of Russian*  
A.B., M.A., University of Pennsylvania.

✓ PAUL J. FAIR (1961) *Assistant Professor of Economics*  
B.S., Grove City College; M.B.A., New York University.

✓ DAVID H. FREDERICK (1961) *Assistant Professor of Chemistry*  
A.B., Utica College of Syracuse University; Ph.D., Cornell University.

✓ THEODORE K. FRUTIGER (1956; 1960) *Assistant Professor of Mathematics*  
A.B., Bucknell University; M.S., The Pennsylvania State University.

✓ ELEANOR RADCLIFFE GARNER (1957) *Assistant Professor of English*  
A.B., A.M., George Washington University.

✓ EDWARD GUERRA (1960) *Assistant Professor of Religion*  
B.D., Southern Methodist University; S.T.M., Union Theological Seminary,  
New York.

✓ HOWARD L. HARER (1961) *Assistant Professor of Mathematics*  
B.S., M.A., Bucknell University.

✓ IAN F. JAMES (1958) *Assistant Professor of Art*  
M.F.A., Syracuse University.

✓ M. RAYMOND JAMISON (1962) *Assistant Professor of Physics and Chemistry*  
B.S., Ursinus College; M.S., Bucknell University.

✓ ELIZABETH H. KING (1956) *Assistant Professor of Business Administration*  
B.S., Geneva College; M.Ed., The Pennsylvania State University.

✓ DONALD T. KYTE (1956) *Assistant Professor of Economics*  
A.B., Wesleyan University; A.M., Boston University. On leave, 1962-63.

✓ ROBERT G. LEH (1959) *Assistant Professor of Political Science*  
A.B., Lafayette College; M.A., University of Pennsylvania.

✓ DONALD W. MILLHOLLAND (1962) *Assistant Professor of Religion*  
A.B., Duke University; B.D., Union Seminary; Ph.D., Duke University.

✓ GLEN E. MORGAN (1961) *Assistant Professor of Music*  
B.M., M.M., Ph.D., Indiana University.

✓ NEALE H. MUCKLOW (1957) *Assistant Professor of Philosophy*  
A.B., Hamilton College.

✓ L. PAUL NEUFER (1960) *Assistant Professor of Religion*  
A.B., Dickinson College; S.T.B., S.T.M., Boston University.

✓ JOSEPH R. PECK, II (1956) *Assistant Professor of English*  
A.B., University of Pennsylvania; A.M., University of Florida.

DONALD GEORGE REMLEY (1946)

*Assistant Professor of Physics and Mathematics*

A.B., Dickinson College; M.A., Columbia University.

THOMPSON RHODES (1961) *1730 Lincoln Dr.* Assistant Professor of Religion

B.S., University of Cincinnati; B.D., Ph.D., Drew University.

LOGAN A. RICHMOND (1954) *1770 Frelinghuysen*

*Assistant Professor of Business Administration*

B.S., Lycoming College; M.A., New York University.

MARY LANDON RUSSELL (1936) Assistant Professor of Organ, Piano

Mus.B., Susquehanna University Conservatory of Music; M.A., The Pennsylvania State University.

SHU-SHEN SAH (1962)

B.A., National Peiping Normal University; M.Ed., M.S., University of Illinois.

RICHARD T. STITES (1959) Assistant Professor of History

B.A., University of Pennsylvania; M.A., George Washington University.

MURIEL L. TOPPAN (1960)

*Cataloging Librarian With Rank of Assistant Professor*

A.B., M.A., Boston University; M.S.L.S., Simmons College.

SALLY F. VARGO (1953) Assistant Professor of Physical Education

B.S., The Pennsylvania State University; M.S., Bucknell University.

MICHAEL M. WARGO (1950; 1957) Assistant Professor of History

A.B., M.A., Bucknell University.

BUDD F. WHITEHILL (1957) Assistant Professor of Physical Education

B.S., Lock Haven State College; M.Ed., The Pennsylvania State University.

LOUIS V. WILCOX, JR. (1961) Assistant Professor of Biology

A.B., Colgate University; M.S., Ph.D., Cornell University.

JOHN J. ZIMMERMAN (1962) Assistant Professor of Education

B.S., Mansfield State College; M.S., Montclair State College.

## INSTRUCTORS

MYRNA A. BARNES (1959)

*Circulation Librarian With Rank of Instructor*

A.B., University of California at Los Angeles.

LAURA M. COLEMAN (1959) *334 E 4<sup>th</sup>*

*Reference Librarian With Rank of Instructor*

B.S., Millersville State College.

VOLKER O. DURR (1962)

*Instructor in French and German*

A.B., Lycoming College.

GERTRUDE B. MADDEN (1958)	<i>Instructor in English</i>
A.B., University of Pennsylvania.	
MARION E. MAYNARD (1959)	<i>Instructor in English</i>
A.B., Bucknell University.	
DONNA K. MILLER (1960)	<i>Instructor in Physical Education</i>
B.S., Lock Haven State College.	
NELSON PHILLIPS (1959) <i>Reach Road</i>	<i>Instructor in Physical Education</i>
B.S., Springfield College.	
CHARLES W. RAISON (1961) <i>754</i>	<i>Instructor in Speech</i>
B.A., Michigan State University; M.F.A., Tulane University.	
LOUISE R. SCHAEFFER (1962)	<i>Instructor in Education</i>
A.B., Lycoming College.	
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B.S., Lycoming College.	
WILLIAM E. UPDEGRAFF (1962)	<i>Instructor in Physics</i>
B.S., Dickinson College; M.S., The Pennsylvania State University.	

## LECTURERS

CARL S. BAUER (1946)	<i>Lecturer in Mathematics</i>
B.S., M.Ed., The Pennsylvania State University.	
MASOOD GHAZNAVI (1961)	<i>Lecturer in History and Political Science</i>
B.A., LL.B., University of the Panjab; M.A., Johns Hopkins University.	

DON L. LARRABEE (1945), Attorney at Law *Lecturer in Business Law*

    A.B., Allegheny College; Graduate Division of the Wharton School; Law School of The University of Pennsylvania.

## PART-TIME INSTRUCTORS

GEORGE J. BOSSERT	<i>Education</i>
B.S., Lock Haven State College; M.A., Bucknell University.	
DANIEL R. CONEY, JR.	<i>Accounting</i>
B.S., Lycoming College.	
WALLACE J. CUMMINGS	<i>Psychology</i>
A.B., Pennsylvania State College; S.T.B., Wesley Theological Seminary.	
BARBARA DISSINGER	<i>Music</i>
B.M., M.M., Westminster Choir College.	
CLARENCE W. GREEN	<i>Assistant Football Coach</i>
B.S., Lock Haven State College; M.S., Bucknell University.	
ROBERT G. LESHER	<i>Education</i>
A.B., Lycoming College; M.S., Bucknell University.	

MORTON RAUFF	<i>Swimming Coach</i>
ROBERT D. SMINK B.S., M.S., Bucknell University.	<i>Education</i>
JAMES WEHR B.S., Lycoming College; C.P.A.	<i>Accounting</i>
NED E. WELLER A.B., Lycoming College; S.T.B., Boston University.	<i>History</i>

## ADMINISTRATIVE ASSISTANTS

SANDRA L. ALEXANDER	<i>Secretary to the Director of Admissions</i>
NORA L. BARTLETT	<i>Library Assistant</i> ✓
EMILY C. BICHLER	<i>Secretary to the Treasurer</i> ✓
DUDLEY BOSTWICK	<i>Manager of Food Service</i> ✓
CONSTANCE CHRIST	<i>Assistant in the Treasurer's Office</i>
BARBARA EARNEST	<i>Secretary to Placement and Education</i>
MARTHA GRAMLEY	<i>Assistant in the Registrar's Office</i>
MARGARET E. HEINZ	<i>Bookstore Assistant</i>
JANE KIESS	<i>Secretary to the Director of Admissions and Secretary to the Development Fund</i>
WELTHA P. KLINE	<i>Secretary to the Dean of the College</i> ✓
RUTH E. KOHR	<i>Faculty Secretary</i> ✓
SYLVIA LONG	<i>Assistant in the Records Office</i>
LEVERDA E. MILLER	<i>Secretary to the Director of Public Relations</i>
GERTRUDE PETERS	<i>Resident in the Women's Dormitory</i>
MARIAN L. RUBENDALL	<i>Secretary to the Dean of Students</i> ✓
SANDRA L. SCHOOLEY	<i>Assistant in the Treasurer's Office</i>
CAROLINE K. SEAMAN	<i>Secretary to the Registrar</i> ✓
MARIE SKEATH	<i>Resident in Rich House</i>
CAROL J. SORTMAN	<i>Secretary to the Assistant to the President</i>
DOROTHY J. STREETER	. <i>Manager of the Bookstore</i>
BETTY JUNE SWANGER	<i>Accountant</i>
VIVIAN YOUNKIN	<i>Supervisor of Housekeeping</i>

## MEDICAL STAFF

✓ **FREDERIC C. LECHNER, M.D.** *College Physician*  
B.S., Franklin and Marshall College; M.D., Jefferson Medical College.

✓ **ROBERT S. YASUI, M.D.** *College Surgeon*  
M.D., Temple University.

**RUTH J. BURKET, R.N.** *College Nurse*  
Hamot Hospital School of Nursing.

**EMALINE W. DEIBERT, R.N.** *College Nurse*  
Williamsport Hospital School of Nursing.

**J. LOUISE PARKIN, R.N.** *College Nurse*  
Geisinger Memorial Hospital School of Nursing.

# DEGREES CONFERRED

# *Honorary Degrees Conferred*

WILLA BEATRICE PLAYER, LL.D. ....	1962
<i>President</i> <i>Bennett College</i>	
MARY LOU BARNWELL, HH.D. ....	1962
<i>Executive Secretary</i> <i>Commission on Deaconess Work</i> <i>The Methodist Church</i>	
LEON WEBSTER BOUTON, D.D. ....	1962
<i>Superintendent of the Wilkes-Barre District</i> <i>Wyoming Conference</i> <i>The Methodist Church</i>	
JOHN FREDERICK STAMM, D.D. ....	1962
<i>Superintendent of the Altoona District</i> <i>Central Pennsylvania Conference</i> <i>The Methodist Church</i>	
FRED PIERCE CORSON, HH.D. ....	1962
<i>Bishop, The Methodist Church</i> <i>Philadelphia Area</i>	
STAFFORD HENDRICKS CASSELL, LL.D. ....	1962
<i>Vice-President</i> <i>American University</i>	
WILLIAM PEARSON TOLLEY, LL.D. ....	1962
<i>Chancellor</i> <i>Syracuse University</i>	

# *Bachelors Degrees Conferred*

## CLASS OF 1962

### *Bachelor of Arts Degree*

Kathryn Jane Allison  
David Robert Anderson  
Norman Matthew Azinger  
Onalee Rae Barton  
James William Bedford  
Melvin Douglas Bole  
Carol Dustan Bollinger  
Joseph Anthony Bonacuse  
William Dale Bouton  
James Edward Brown  
Lois Frances Bruner  
Edward Alexander Budney  
Harold Edward Burkett  
David William Burnham  
Gail Petrea Christensen  
Martha Wadsworth Clement  
Thomas Robert Clifford  
Roger Royce Conant  
Earl William Confair  
George Robert Converse  
Clyde Earle Cowden  
Chester Witecki Crosby  
Volker Otto Durr  
Carolyn Smith Durrwachter  
Donald Fred Dyke  
William Henry Engler  
George William English, Jr.  
Robert A. Faus  
Lars Olof Feese  
Martin Gary Feit  
William Everhart Glosser, III  
John Edgar Good  
Gary Lamont Goodear  
Virginia Debra Grabinski  
Linda Jean Greenly

Kermit Burdette Harry, Jr.  
Donald William Hartman  
William Dawson Hartman  
David Maurice Heiney  
Joseph James Hesen, Jr.  
Martha Ann Hickerson  
Carl Eugene Hill  
Harry Hemphill Hoover  
Clover Marilyn Hopen  
Gale Andrea Hughes  
Martha Clara Jensen  
Stanley Myron Jensen  
Janice Mariel Johnson  
Gordon Grant Jones  
Lauralee Jones  
Luke Harold Kauffman  
William Henry Kehrig  
David Alan Keller  
David Vincent Kerner  
Kenyon Warren Kingsley  
Karl Herbert Klotz  
John Witherspoon Krebs  
Charles Raymond Lay  
Charles Edward Letteer, Jr.  
Roger Crawford Lienhardt  
Richard Dale Mase  
James Francis McGill, Jr.  
Jon Edward McNeal  
Donna Marie Michael  
Mary June Miller  
Joel Walker Moss  
Thomas Schewe Nelson  
Janet Fontain Nichols  
Fredrick Anthony Pollitt  
Frank W. Ranson, Jr.

Nicholas Frank Rayder  
 Carl Lewis Reams  
 Donna Lee Reece  
 Samuel Melvin Reese, Jr.  
 Abraham Reyes y Silva  
 Paul Edgar Sabin  
 Richard Lewis Scheaffer  
 Robert LeRoy Schlee  
 Frederic William Schroeder, Jr.  
 Carl Robert Schultz  
 Susanne Sharpsteen  
 James Orin Shoemaker  
 Robert Jay Siegel  
 Nelson Steven Silver  
 John Richard Sneden

William Franklin Zimmerman

Michael Soroka  
 Frederick Michael Spannuth  
 Carol L. Starr  
 William Stavisky  
 James Arthur Stone  
 Helen Judith Trayer  
 Janet Barbara Wade  
 William Clark Wallis  
 Donna Olivia Ware  
 Hess Sherwood Wertz, Jr.  
 Ruth Ann Whidden  
 John Frederick Wilbur  
 George Francis Wilt, Jr.  
 H. David Wilt  
 Geoffrey Robert Wood

*Bachelor of Science Degree*

Samuel Ernest Belle  
 Harris Daniel Berry, Jr.  
 David Mead Bliley  
 Bonnie Bierly Bowes  
 John Charles Boyd  
 Arthur Boyd Brobst, Jr.  
 Caren J. Clark  
 Ronald Thomas Clees  
 Patricia Ann Clevenger  
 David George Cohick  
 Geraldine Ann Courtney  
 Nancy I. Darling  
 Thomas P. Davison  
 Paul Creighton Dietrich  
 Emily Ertel Doebler  
 Robert Donald Foor  
 Rollin Lloyd Fries  
 Liane Valerie Goetz  
 Barry Goldman  
 John Mark Good  
 Paul David Gribble  
 Larry Franklyn Hanner  
 Jean M. Youtz Hester  
 Eugene Paul Hickey  
 Edgar Franklin Hill, Jr.

Roland Paul Hockman  
 Jerome John Hoehn  
 William Edward Hoffman  
 Luther Jay Hosford  
 James Edward Lancet Hunt  
 William Frank Jacobs, Jr.  
 Morton Kaplan  
 David Harry Karchner  
 Polly Polinko Karschner  
 Neal Charles Kofman  
 Nancy Carol Lease  
 Richard James Lee  
 Roberta Marie Lewis  
 John Charles McCune, Jr.  
 Donald Ray McFall  
 William Mace Meade, III  
 Betty Jean Mengle  
 Maryjean Elizabeth Metzger  
 Ardith Estelle Miller  
 Paul Louis Motta  
 Stephen Gold Oliphant  
 Thomas Lemuel O'Mealy  
 Blake Cyrus Owens  
 Arthur John Parsons, Jr.  
 Joanne Lucille Partridge

John Barry Patterson  
William Samuel Reist  
Steven Mark Rosenburgh  
George C Roush  
Arthur Thomas Rytter  
Jean Smith SanMillan  
Aileen Bohr Scheid  
David Airey Shafer  
Julia Ann Shanabrook  
Robert Charles Sherwood  
Carol Ann Sieman  
Judith Ann Smead  
Virginia L. Thompson Smith  
Sandra Smith Steele  
Grant David Steffen  
Harold Leroy Stugart  
Dale Richard Taylor  
Richard Warren Thamsen  
Clair Frederick Thompson  
Raymond Albert Thompson, Jr.  
Willis Clark Thompson  
William Hykes Tomlinson  
Paul Eugene Watson  
Michael W. Weiner  
Gail Wendle Wertz  
Thomas William Yeagle  
Marvin Jerome Yearick  
Eva Hoover Zaner  
Connie B. Zeigler

# *The Alumni Association*

The Alumni Association of Lycoming College has a living membership of almost five thousand men and women. It is governed by an Executive Board of five officers and twenty-one members nominated and elected by the membership. It elects annually a member to the Board of Directors of the College for a three-year term. The Assistant to the President of the College directs the activities of the Alumni Office.

The Alumni Association of Lycoming College has two objectives: (1) to promote the interests of the College, and (2) to foster among its members loyalty and devotion to their alma mater. All persons who have successfully completed one year of study at Lycoming College, or Williamsport-Dickinson Junior College, and all former students of Williamsport-Dickinson Seminary are members of the Association.

The Alumni Office is located in room 208 on the second floor of Old Main. Arrangements for Homecoming, Alumni Day, Class Reunions, Club meetings and similar activities are coordinated through this office. There are active Alumni Clubs in Harrisburg, Philadelphia, and Pittsburgh, Pennsylvania; Rochester, New York; and Northern New Jersey.

Lycoming College holds Class A, B, and C memberships in the American Alumni Council. Through its Alumni Fund, the Alumni Office is closely associated with the Development Program of the College.

Acting as the representative of alumni on the campus, and working also with undergraduates, the Alumni Office aids in keeping alumni informed and interested in the program, growth and activities of the College.

Communications to the Alumni Association should be addressed to the Alumni Office.

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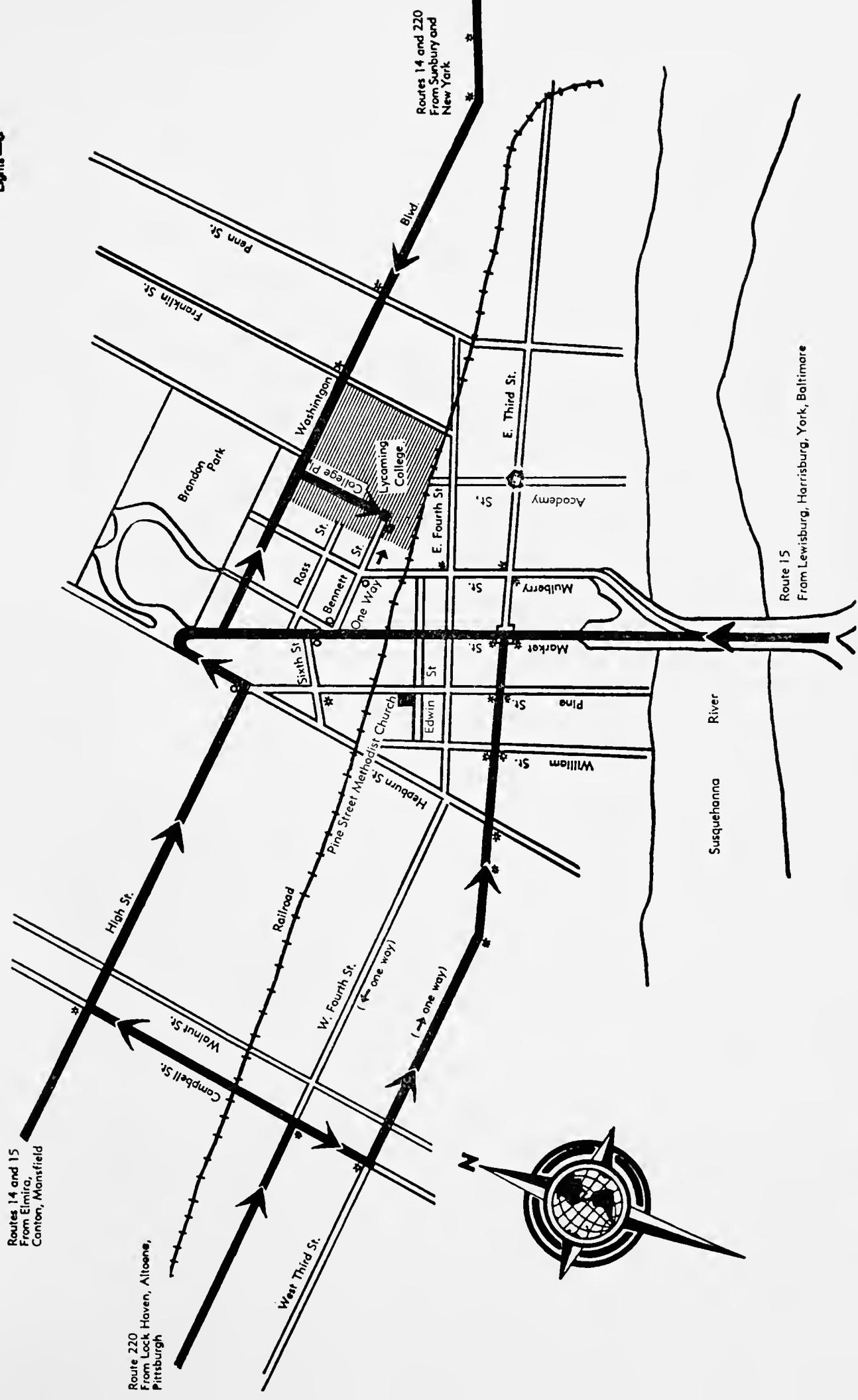
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# LYCOMING COLLEGE, WILLIAMSPORT, PENNSYLVANIA

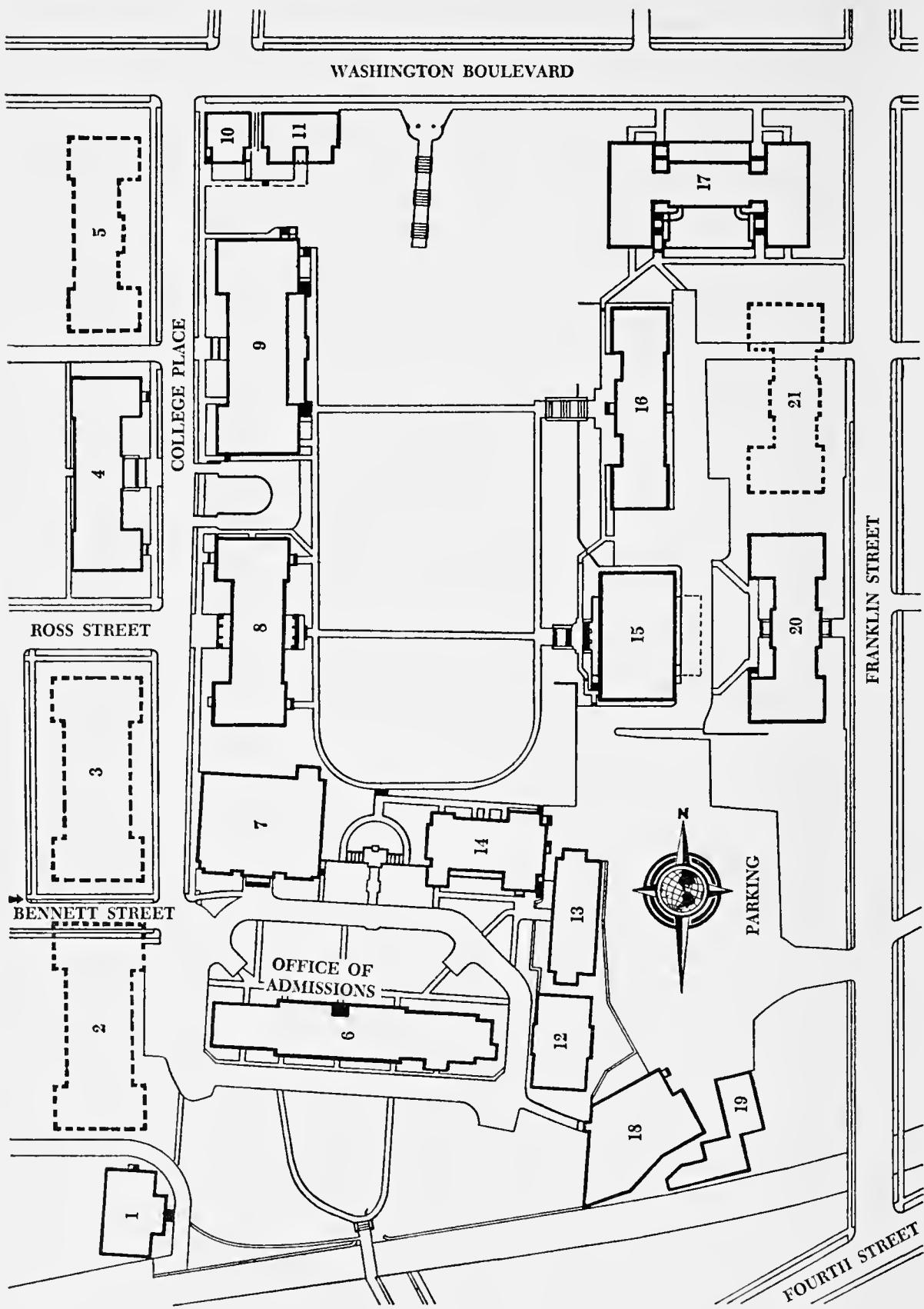
Stop Signs —



# LYCOMING COLLEGE CAMPUS

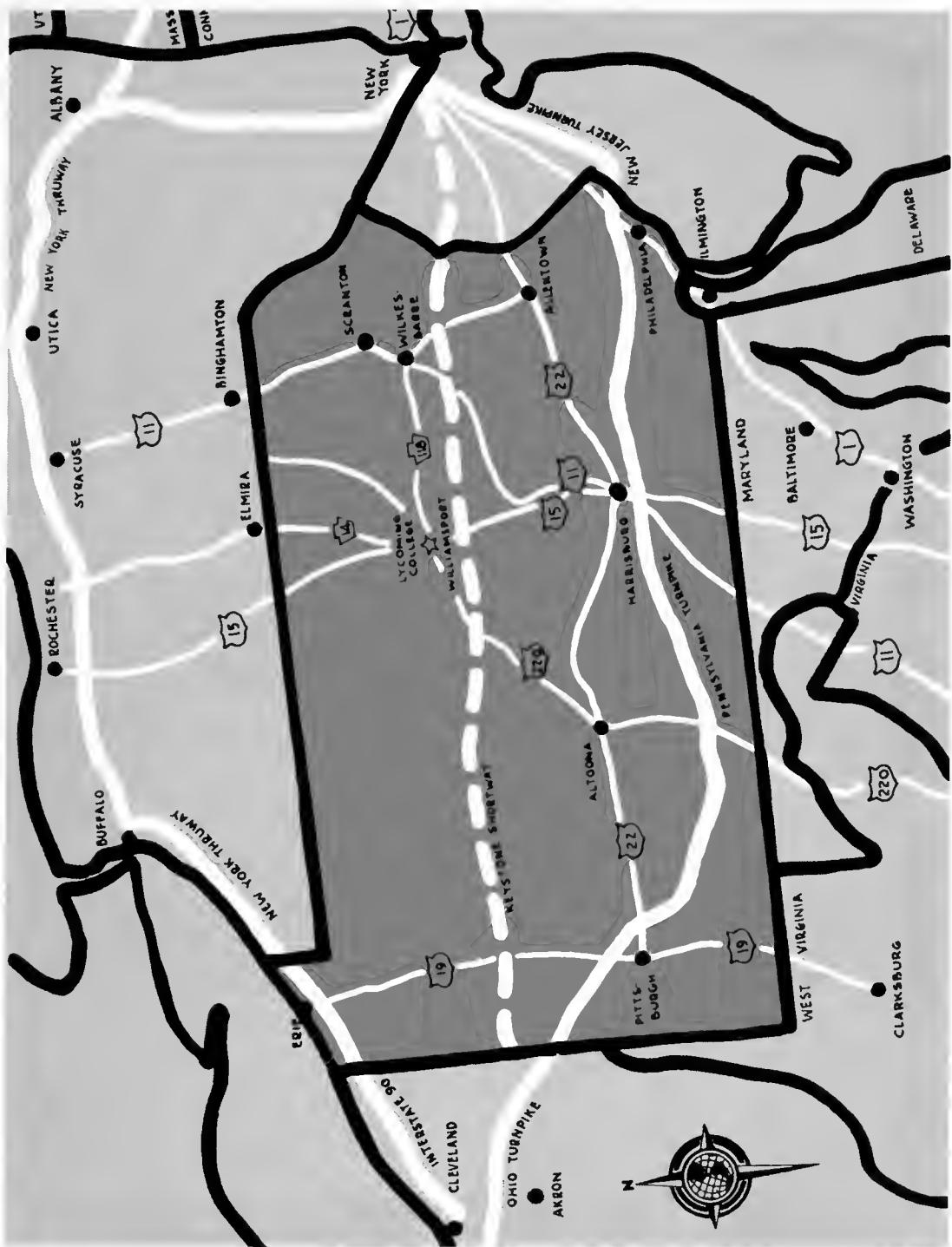
## CAMPUS BUILDING CODE

1. Eveland Hall
2. Future Classroom Building
3. Future Classroom Building
4. Women's Dormitory
5. Future Women's Dormitory
6. Old Main Gymnasium
7. Rich Hall
8. Student Activities Building
9. President's Residence
10. Fine Arts Building
11. Bradley Hall
12. Memorial Hall
13. Clarke Chapel
14. John W. Long Library
15. Wesley Hall
16. Fraternity Residence Hall
17. Hall
18. Science Building
19. Maintenance Building
20. Men's Dormitory
21. Future Men's Dormitory









AAA Mileage from Lycoming College to:

Akron	290
Albany	268
Allentown	122
Altoona	95
Baltimore	163
Binghamton	126
Buffalo	200
Clarksburg	300
Cleveland	296
Elmira	75
Eric	235
Harrisburg	90
New York City	205
Philadelphia	182
Pittsburgh	200
Rochester	167
Scranton	88
Syracuse	163
Utica	216
Washington	200
Wilkes-Barre	68
Wilmington	174

